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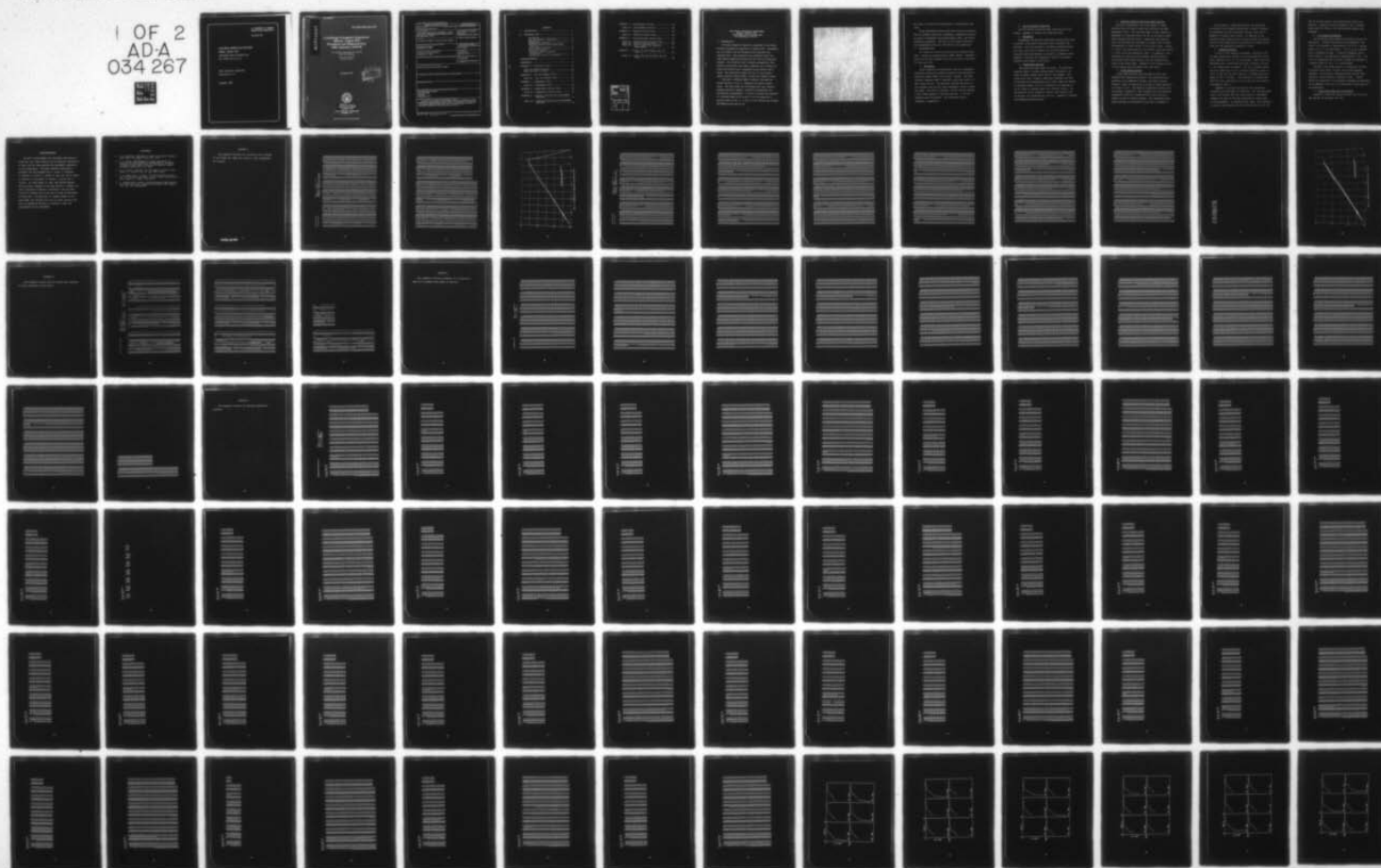
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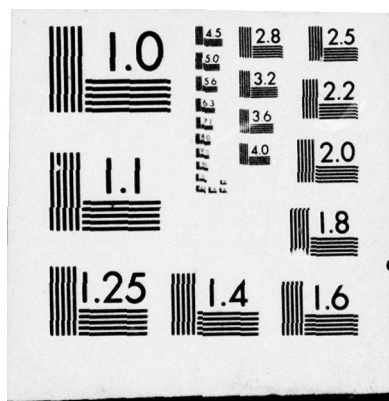
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MIDWAY, AUGUST 1970
PROCEDURES AND SHIPBOARD DATA
NRL OPERATION 70-01-05

NAVAL RESEARCH LABORATORY
WASHINGTON, D.C.

NOVEMBER 1976

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NRL Memorandum Report 3405

**Long-Range Propagation Experiment:
Midway, August 1970
Procedures and Shipboard Data
NRL Operation 70-01-05**

A. N. GUTHRIE, J. D. SHAFFER, D. A. NUTILE,
AND R. M. FITZGERALD

*Applied Ocean Acoustics
Acoustics Division*

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| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In August 1970, a long-range acoustic propagation experiment was performed to measure propagation loss, signal fluctuations, and signal coherence. The experiment was conducted under the Long Range Propagation Program and the Very Low Frequency Program. Procedures for conducting the experiment and the shipboard data are reported here. | | |

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LONG-RANGE PROPAGATION EXPERIMENT:
MIDWAY, AUGUST 1970
PROCEDURES AND SHIPBOARD DATA
NRL OPERATION 70-01-05

I. INTRODUCTION

The Naval Research Laboratory performed a long range acoustic propagation experiment in August 1970. Procedures for its conduct and the shipboard data obtained are reported here. The experiment was conducted under the Long Range Propagation Program and the Very Low Frequency Program. The objective was to measure propagation loss, signal fluctuations, and signal coherence as a function of range and azimuth from a suspended sound channel hydrophone. The hydrophone chosen was part of the Missile Impact Locating System (MILS) located near Midway Island.

The USNS J. WILLARD GIBBS (T-AGOR-1) followed the course charted in Fig. 1, repeating the radial course twice. The ship towed two continuous wave (cw) sources, dropped explosive charges, and made environmental and navigational measurements. A 114 Hz cw source was operated at a nominal depth of 21 m and a 15 Hz cw source at a nominal depth of 140 m. A total of 363 charges was dropped.

Note: Manuscript submitted October 28, 1976.

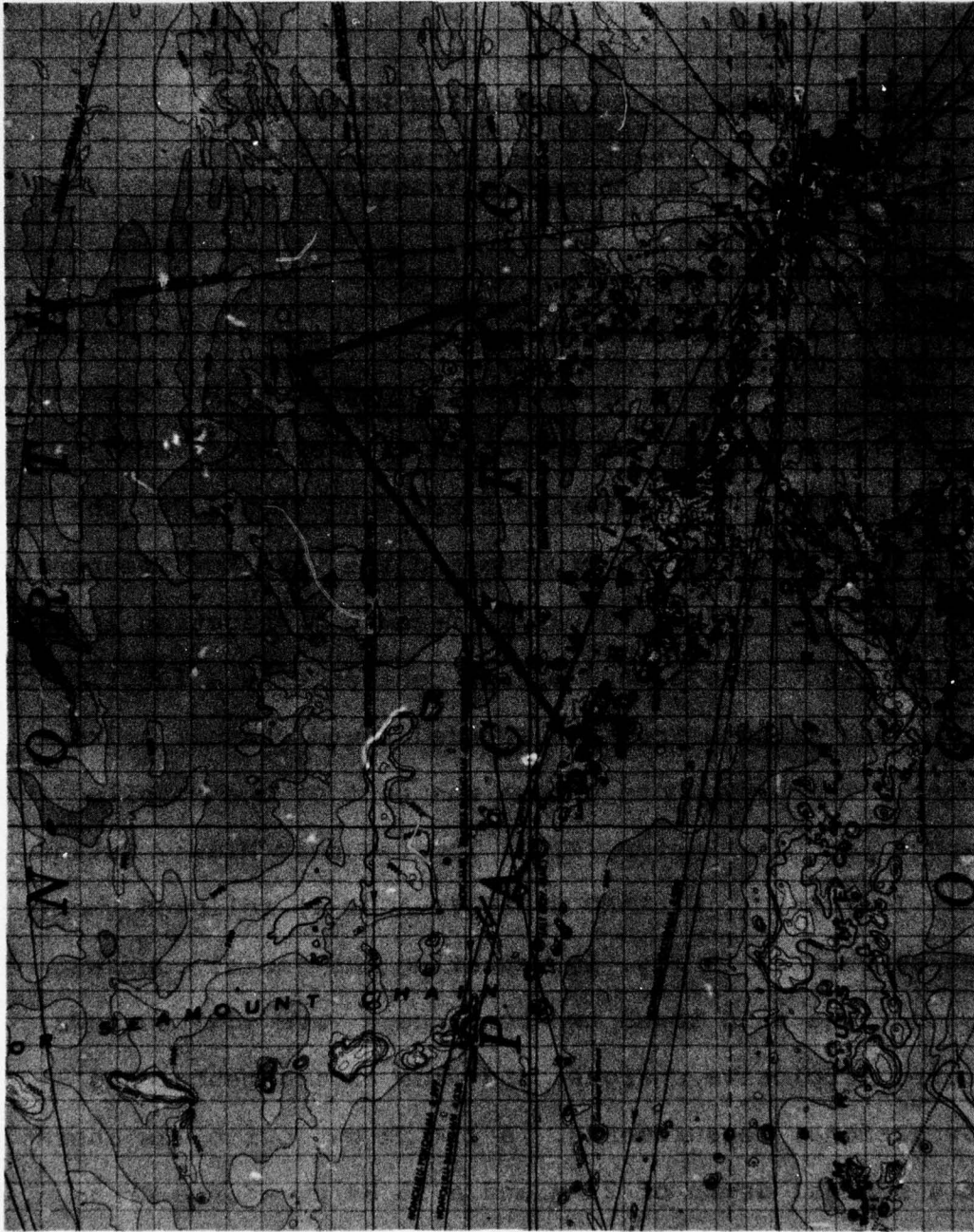


Fig. 1 -- Ship's track

Two sizes of charges and three depths of detonations were used.

Other measurements made aboard ship include navigation, sea and weather conditions, bathymetry, temperature profile by means of expendable bathythermographs (XBT), and source operating parameters. The body of this report describes the measurements which are tabulated in the appendices.

II. SHIPBOARD DATA

All times are given by Julian day and Greenwich Mean Time. Clocks are synchronized to WWVH, Hawaii. Appendix I gives the relation between Julian day and day of the month for the year 1970.

A. Navigation

Ship's position was determined using two independent electronic navigation systems including a Navy Navigation Satellite System (NNSS) and a Loran C System. The NNSS receiver, Magnavox MX702, produced a hard copy output for each satellite fix. The navigator entered the data in a log together with the two input parameters, ship's course and speed. The Loran C receiver, Collins SPN 38 produced a Nixie Tube display of time and position. A fix was recorded every 15 minutes. The navigation data is contained in Appendix A.

B. Sea and Weather Conditions

Sea and weather conditions were noted hourly by the bridge. Appendix B contains the tabulated data.

C. Bathymetry

Bathymetry was measured continuously aboard ship using an AN/UQN 12 KHz Sonar Transceiver and a Raytheon 193C recorder. Data was recorded on standard teledeltos paper and later digitized by reading the recorded depths at selected times and punching the results on computer cards. Appendix C contains the bathymetric data for an assumed constant sound speed of 1500 m/sec.

D. Temperature Profiles

XBT casts were made every six hours. For every two Sippican Model T7 probes (design depth 760 meters), one Model T5 probe (design depth 1800 m) was dropped. The analog data from a Sippican Model MK-2 Recorder was read by the National Oceanographic Data Center (NODC) BT Section in standard format ($^{\circ}\text{C}$ at 5 m intervals) and supplied to us as a deck of punched cards and a machine listing. We are grateful to Mr. Richard E. Krentz, then Chief of the BT Section, for arranging this service. Appendix D contains the temperature profile data.

E. Archival Salinity and Sound Speed Profiles

Salinity, temperature, and sound speed vs. depth profiles along the ship's track were obtained from NODC Nansencast files. Only profiles taken in July, August, or September at locations within 100 nmi of the ship's track were selected from the files.¹ Based upon the salinity data, the profiles were arranged in groups, each of which corresponded to some interval of the ship's track. Groups 1, 2 and 3 are associated with the radial tracks and groups 4, 5 and 6 with the tangential track. In Appendix E are tabulated for each group the average salinity profile, the average sound speed profile, and the standard deviation of the sound speed. Appendix E also contains a plot of the average salinity profile for each group.

F. Sound Speed Profiles

Sound speed profiles were obtained by using the measured XBT temperature profiles, the average salinity profiles of the Appendix E groups, and Leroy's second formula², which is equivalent to Wilson's second equation³ to within 0.1 m/s. The archival temperature profiles for the groups in Appendix E were compared with each measured temperature profile to determine which group salinity profile to use in Leroy's formula. The calculated sound speed profiles are tabulated and plotted in Appendix F.

To facilitate a comparison between the calculated and archival sound speed profiles and to obtain a measure of confidence for the calculated profiles, each plot in Appendix F contains three curves. In addition to the calculated sound speed profile we have plotted the average archival sound speed profile plus/minus the standard deviation for the appropriate Appendix E group.

G. Explosive Sources

A total of 363 charges was dropped. Physically 289 of these charges were formed of six half-pound TNT blocks bound together with a 2.7 kg lead weight. Each charge was detonated with a fuse-fired Navy Type I blasting cap and a 1 oz. Composition C4 booster. For 163 of these charges the fuse length was cut for a nominal detonation depth of 200 m (1 dud) and 126 were fused for a nominal detonation depth of 775 m (16 duds). The remaining 74 charges were SUS, MK 59.0A, containing 0.8 kg of cyclotol and pressure detonated at 3000 m.

Appendix G contains the relevant shot parameters including time and depth of detonation. The tabulated shot time is the instant the shot pulse reaches a hydrophone located in a well on the ship corrected for travel time to the hydrophone. To determine shot depth, the difference in arrival time between the one bottom bounce arrival and

the one surface bounce- one bottom bounce arrival was measured. Assuming vertical propagation and a constant sound speed of 1500 m/s the tabulated shot depths were obtained.

H. CW Projector Parameters

Two CW sources were operated continuously during the experiment. A Hudson Laboratories Electromagnetic (EM) source⁴ was operated at approximately 114 Hz at a nominal depth of 21 m (~1.5 wavelengths). The unit was suspended from a starboard A-frame. A modified minesweep transducer (Mark 6)⁵ was operated at approximately 15 Hz. The unit was suspended from the stern U-frame and operated at a nominal depth of 140 m (~1.3 wavelengths).

The Mark 6 was phase locked to a frequency obtained by counting down from a crystal controlled frequency standard. The EM source frequencies were derived from a precision signal generator (Monsanto 3100A). The EM source was operated at its resonance frequency as determined by an impedance loop run at the beginning of each phase of the experiment.

I. Julian Day versus Day of the Month

Appendix I gives the relation between the Julian Day and the day of the month for 1970.

ACKNOWLEDGEMENTS

We wish to acknowledge the invaluable assistance of those who, thru their efforts and the generous application of their skills, made possible the successful completion of this experiment. The Naval Research Laboratory's personnel who participated were S. Adler, E. Andersen, A. Anderson, C. Brier, W. Brown, R. Lee, the late M. Mahon, H. Mellace, W. Mulrooney, R. Phelan, J. Taylor and A. Zuccaro. We thank Robert B. Lacy, PMR Program Manager, and John Block, Manager of the MILS Facility - Midway, for their indulgence in making it possible to use the MILS Facility at Midway even at the cost of some inconvenience to their work. We also thank R. Salmon, Master of the USNS GIBBS, his officers and crew for their devotion and skill in operating the ship in a manner to meet the requirements of our experiment.

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1. B. G. Roberts, "Retrieval Program for Archival Nansen - Cast Data," NRL Report 7633, Oct. 1973.
2. C. C. Leroy, "Development of Simple Equations for Accurate and More Realistic Calculation of the Speed of Sound in Sea Water," Saclant ASW Research Center, Technical Report 128, Nov. 1968.
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APPENDIX A

This appendix contains the navigation data arranged in two tables (A1, NNSS, A2, Loran C), each accompanied by a figure.

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NAVIGATION DATA
SATELLITE FIXES

DAY.....JULIAN DAY
TIME.....GMT
LATITUDE.....DEGREES AND MINUTES
LONGITUDE.....DEGREES AND MINUTES

| LAT | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|------------|-------------|-----|------|------------|-------------|-----|------|------------|-------------|
| 234 | 608 | 21 12.784N | 158 5.573W | 237 | 1408 | 29 55.595N | 175 1.538W | 240 | 916 | 33 7.397N | 169 55.145W |
| 234 | 1910 | 25 21.408N | 197 15.791W | 237 | 1512 | 30 3.803N | 174 50.125W | 240 | 1122 | 33 16.471N | 169 41.145W |
| 235 | 122 | 24 0.096N | 163 7.443W | 237 | 1636 | 30 28.384N | 174 13.698W | 240 | 1250 | 33 22.929N | 169 30.532W |
| 235 | 310 | 24 13.617N | 163 31.413W | 237 | 2010 | 30 39.767N | 173 56.052W | 240 | 1310 | 33 24.289N | 169 28.137W |
| 235 | 708 | 24 41.645N | 164 35.171W | 237 | 2158 | 30 51.873N | 173 35.577W | 240 | 1440 | 33 29.882N | 169 17.243W |
| 235 | 814 | 24 48.783N | 164 56.450W | 237 | 2332 | 31 2.446N | 173 16.825W | 240 | 1754 | 33 42.841N | 168 55.959W |
| 235 | 854 | 24 52.739N | 165 5.810W | 238 | 120 | 31 9.839N | 173 3.495W | 240 | 1924 | 33 49.682N | 168 43.108W |
| 235 | 1002 | 24 59.176N | 165 25.011W | 238 | 228 | 31 1.816N | 173 16.999W | 240 | 1944 | 33 50.981N | 168 40.400W |
| 235 | 1034 | 25 1.903N | 165 38.541W | 238 | 416 | 30 58.292N | 173 30.401W | 240 | 2112 | 33 56.029N | 168 29.613W |
| 235 | 1224 | 25 12.508N | 166 10.927W | 238 | 630 | 31 10.441N | 173 9.543W | 240 | 2234 | 34 0.722N | 168 19.561W |
| 235 | 1316 | 25 17.318N | 166 25.616W | 238 | 726 | 31 16.293N | 172 59.562W | 241 | 20 | 34 7.657N | 168 7.375W |
| 235 | 1500 | 25 27.412N | 166 55.400W | 238 | 814 | 31 22.041N | 172 50.203W | 241 | 148 | 34 13.447N | 167 56.991W |
| 235 | 1828 | 25 48.297N | 167 53.928W | 238 | 912 | 31 29.012N | 172 39.177W | 241 | 336 | 34 20.279N | 167 44.893W |
| 235 | 2006 | 25 59.365N | 168 21.494W | 238 | 1124 | 31 44.392N | 172 12.637W | 241 | 552 | 34 28.125N | 167 29.060W |
| 235 | 2152 | 26 11.023N | 168 51.481W | 238 | 1312 | 31 57.648N | 171 51.020W | 241 | 638 | 34 30.618N | 167 23.514W |
| 235 | 2328 | 26 22.479N | 169 21.586W | 238 | 1424 | 32 5.817N | 171 37.966W | 241 | 736 | 34 33.700N | 167 16.673W |
| 236 | 124 | 26 24.550N | 169 52.657W | 238 | 1612 | 32 15.846N | 171 23.034W | 241 | 824 | 34 36.331N | 167 10.810W |
| 236 | 220 | 26 40.662N | 170 8.322W | 238 | 1746 | 32 16.441N | 171 22.498W | 241 | 928 | 34 40.498N | 167 3.284W |
| 236 | 408 | 26 52.308N | 170 36.871W | 238 | 1922 | 32 16.766N | 171 22.071W | 241 | 1034 | 34 44.739N | 166 54.916W |
| 236 | 620 | 27 7.261N | 171 14.981W | 238 | 1940 | 32 16.819N | 171 22.278W | 241 | 1204 | 34 50.552N | 166 43.941W |
| 236 | 724 | 27 13.029N | 171 31.788W | 238 | 2106 | 32 16.577N | 171 21.659W | 241 | 1220 | 34 51.402N | 166 42.110W |
| 236 | 804 | 27 16.649N | 171 41.040W | 238 | 2238 | 32 16.043N | 171 21.386W | 241 | 1346 | 34 55.778N | 166 31.534W |
| 236 | 910 | 27 23.070N | 172 3.138W | 239 | 24 | 32 15.123N | 171 21.758W | 241 | 1706 | 35 5.280N | 166 8.430W |
| 236 | 958 | 27 28.857N | 172 16.322W | 239 | 140 | 32 13.292N | 171 20.639W | 241 | 1836 | 35 11.691N | 165 58.018W |
| 236 | 1100 | 27 34.040N | 172 34.425W | 239 | 326 | 32 10.599N | 171 20.077W | 241 | 1954 | 35 13.070N | 165 55.766W |
| 236 | 1320 | 27 37.366N | 172 43.026W | 239 | 544 | 32 20.223N | 171 26.301W | 241 | 2020 | 35 18.663N | 165 47.515W |
| 236 | 1314 | 27 46.792N | 173 13.412W | 239 | 728 | 32 17.808N | 171 23.342W | 241 | 2040 | 35 20.207N | 165 45.664W |
| 236 | 1412 | 27 52.364N | 173 25.955W | 239 | 820 | 32 21.254N | 171 17.149W | 241 | 2140 | 35 25.015N | 165 39.277W |
| 236 | 1600 | 28 1.475N | 174 1.596W | 239 | 916 | 32 25.044N | 171 10.876W | 241 | 2324 | 35 33.721N | 165 29.855W |
| 236 | 2100 | 28 29.243N | 174 35.515W | 239 | 1008 | 32 28.615N | 171 5.112W | 242 | 100 | 35 41.241N | 165 19.791W |
| 236 | 2244 | 28 36.256N | 175 57.354W | 239 | 1032 | 32 30.301N | 171 2.501W | 242 | 246 | 35 48.171N | 165 7.349W |
| 237 | 28 | 28 45.725N | 176 25.606W | 239 | 1216 | 32 36.893N | 170 50.819W | 242 | 504 | 35 56.716N | 164 47.175W |
| 237 | 132 | 28 47.311N | 176 42.520W | 239 | 1336 | 32 41.792N | 170 41.669W | 242 | 548 | 35 58.675N | 164 41.303W |
| 237 | 216 | 28 49.374N | 176 42.363W | 239 | 2016 | 32 58.741N | 170 6.154W | 242 | 2118 | 36 57.174N | 162 45.413W |
| 237 | 318 | 28 51.166N | 176 45.974W | 239 | 2036 | 32 57.190N | 170 8.785W | 242 | 2230 | 36 57.185N | 162 36.621W |
| 237 | 506 | 28 51.273N | 176 36.730W | 239 | 2206 | 32 50.343N | 170 19.718W | 243 | 12 | 36 55.447N | 162 48.277W |
| 237 | 718 | 28 51.750N | 176 15.820W | 239 | 2328 | 32 49.074N | 170 21.042W | 243 | 158 | 36 52.159N | 163 5.749W |
| 237 | 818 | 29 15.365N | 176 4.456W | 240 | 52 | 32 49.031N | 170 21.058W | 243 | 346 | 36 46.620N | 163 19.700W |
| 237 | 904 | 29 15.491N | 175 55.151W | 240 | 116 | 32 49.000N | 170 20.985W | 243 | 600 | 36 38.562N | 163 35.643W |
| 237 | 1004 | 29 25.803N | 175 44.113W | 240 | 238 | 32 50.798N | 170 25.860W | 243 | 642 | 36 35.554N | 163 41.066W |
| 237 | 1024 | 29 25.715N | 175 35.448W | 240 | 426 | 32 55.476N | 170 30.459W | 243 | 746 | 36 31.494N | 163 49.041W |
| 237 | 1218 | 29 42.003N | 175 20.267W | 240 | 638 | 32 59.931N | 170 13.676W | 243 | 828 | 36 29.455N | 163 54.904W |
| 237 | 1328 | 29 50.373N | 175 8.135W | 240 | 824 | 33 3.621N | 170 0.869W | 243 | 1024 | 36 23.202N | 164 9.479W |

| LAT | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|------------|-------------|-----|------|------------|-------------|-----|------|------------|-------------|
| 243 | 1714 | 35 59.723N | 194 57.326M | 246 | 1820 | 33 11.074N | 169 54.232W | 249 | 226 | 36 49.827N | 163 13.231M |
| 243 | 1900 | 35 52.979N | 165 12.965M | 246 | 1936 | 33 17.208N | 169 45.498W | 249 | 302 | 36 52.234N | 163 8.653M |
| 243 | 2046 | 35 45.658N | 165 25.794M | 246 | 2008 | 33 19.708N | 169 41.535W | 249 | 450 | 36 57.392N | 162 54.563M |
| 243 | 2136 | 35 41.705N | 165 31.708M | 246 | 2124 | 33 24.547N | 169 31.680W | 249 | 654 | 37 3.252N | 162 38.106M |
| 243 | 2322 | 35 28.063N | 155 27.775M | 246 | 2224 | 33 27.810N | 169 24.369W | 249 | 836 | 37 10.594N | 162 27.745M |
| 244 | 110 | 35 26.854N | 165 55.886M | 247 | 12 | 33 34.234N | 169 11.654W | 249 | 1014 | 37 14.437N | 162 13.952M |
| 244 | 256 | 35 20.050N | 166 6.371M | 247 | 32 | 33 35.494N | 169 9.089W | 249 | 1202 | 37 2.314N | 162 10.561M |
| 244 | 330 | 35 17.621N | 166 12.324M | 247 | 218 | 33 43.247N | 168 50.965W | 249 | 1238 | 36 58.411N | 162 9.375M |
| 244 | 512 | 35 10.240N | 166 25.656M | 247 | 252 | 33 45.547N | 168 52.712W | 249 | 1418 | 36 47.518N | 162 5.207M |
| 244 | 552 | 35 8.264N | 166 25.924M | 247 | 406 | 33 50.340N | 168 43.516W | 249 | 1850 | 36 16.350N | 161 58.894M |
| 244 | 656 | 35 3.708N | 166 37.223M | 247 | 438 | 33 52.006N | 168 39.525W | 249 | 1926 | 36 12.382N | 161 58.092M |
| 244 | 728 | 35 0.783N | 166 42.405M | 247 | 616 | 33 59.278N | 168 28.293M | 249 | 2126 | 35 58.966N | 161 54.730M |
| 244 | 848 | 34 55.941N | 166 50.322M | 247 | 650 | 34 1.624N | 168 23.884W | 249 | 2312 | 35 47.144N | 161 51.134M |
| 244 | 924 | 34 52.414N | 166 54.425M | 247 | 804 | 34 7.064N | 168 14.859W | 249 | 2352 | 35 42.534N | 161 49.709M |
| 244 | 1116 | 34 45.877N | 167 7.401M | 247 | 838 | 34 9.792N | 168 11.006W | 249 | 250 | 34 5.689N | 161 36.941M |
| 244 | 1446 | 34 32.940N | 167 25.990M | 247 | 1018 | 34 16.869N | 167 58.211W | 249 | 506 | 34 2.256N | 161 40.643M |
| 244 | 1622 | 34 26.017N | 167 42.165M | 247 | 1204 | 34 24.018N | 167 45.611W | 249 | 1106 | 34 23.543N | 161 31.944M |
| 244 | 1812 | 34 19.270N | 167 52.933M | 247 | 1230 | 34 25.596N | 167 42.299W | 249 | 1332 | 34 6.930N | 161 27.733M |
| 244 | 1934 | 34 14.480N | 168 2.283M | 247 | 1408 | 34 30.710N | 167 31.384W | 249 | 1516 | 33 55.429N | 161 24.852M |
| 244 | 1958 | 34 13.177N | 168 5.855M | 247 | 1554 | 34 37.931N | 167 18.557W | 249 | 1800 | 33 36.074N | 161 22.031M |
| 244 | 2120 | 34 8.230N | 168 15.256M | 247 | 1732 | 34 44.921N | 167 7.734W | 249 | 1838 | 33 31.912N | 161 21.198M |
| 244 | 2228 | 34 3.588N | 168 23.344M | 247 | 1846 | 34 49.796N | 166 59.707W | 249 | 2034 | 33 24.438N | 161 19.535M |
| 245 | 14 | 33 56.419N | 168 35.978M | 247 | 1918 | 34 52.037N | 166 56.330W | 249 | 2218 | 33 7.194N | 161 15.503M |
| 245 | 202 | 33 48.165N | 168 47.559M | 247 | 2032 | 34 56.972N | 166 47.849W | 249 | 6 | 32 55.082N | 161 12.723M |
| 245 | 242 | 33 45.853N | 168 52.765M | 247 | 2130 | 35 1.040N | 166 41.105W | 249 | 50 | 32 49.881N | 161 11.469M |
| 245 | 356 | 33 40.325N | 169 1.327M | 247 | 2316 | 35 8.285N | 166 29.245W | 249 | 128 | 32 45.521N | 161 10.213M |
| 245 | 426 | 33 38.145N | 169 5.028M | 248 | 104 | 35 16.229N | 166 16.994W | 249 | 251 | 32 37.425N | 161 7.682M |
| 245 | 608 | 33 30.984N | 169 15.751M | 248 | 128 | 35 17.939N | 166 13.701W | 249 | 312 | 32 33.555N | 161 6.769M |
| 245 | 646 | 33 28.992N | 169 21.632M | 248 | 206 | 35 20.602N | 166 9.025W | 249 | 446 | 32 22.702N | 161 3.923M |
| 245 | 754 | 33 23.779N | 169 30.210M | 248 | 316 | 35 24.908N | 166 0.578M | 249 | 514 | 32 19.878N | 161 3.312M |
| 245 | 824 | 33 20.786N | 169 35.022M | 248 | 540 | 35 33.608N | 165 44.181W | 249 | 700 | 32 7.576N | 161 4.313M |
| 245 | 1020 | 33 13.923N | 169 47.326M | 248 | 602 | 35 35.069N | 165 41.467W | | | | |
| 245 | 1206 | 33 7.243N | 169 55.853M | 248 | 714 | 35 39.817N | 165 32.404W | | | | |
| 245 | 1404 | 32 59.518N | 170 12.764M | 248 | 746 | 35 42.186N | 165 28.886W | | | | |
| 245 | 1544 | 32 53.261N | 170 25.177M | 248 | 924 | 35 49.453N | 165 17.578W | | | | |
| 245 | 1724 | 32 46.780N | 170 36.752M | 248 | 1110 | 35 58.444N | 165 5.225W | | | | |
| 245 | 1842 | 32 41.320N | 170 45.311M | 248 | 1142 | 36 1.041N | 165 1.636W | | | | |
| 245 | 1910 | 32 39.304N | 170 45.495M | 248 | 1300 | 36 5.837N | 164 51.676W | | | | |
| 245 | 2320 | 32 35.757N | 170 54.283M | 248 | 1326 | 36 6.743N | 164 47.590W | | | | |
| 246 | 106 | 32 34.954N | 170 55.561M | 248 | 1506 | 36 11.852N | 164 36.300W | | | | |
| 246 | 124 | 32 33.951N | 170 55.524M | 248 | 1758 | 36 21.459N | 164 14.011W | | | | |
| 246 | 742 | 32 44.005N | 170 36.280M | 248 | 1942 | 36 22.664N | 164 11.262W | | | | |
| 246 | 854 | 32 34.294N | 170 44.948M | 248 | 2016 | 36 27.917N | 163 56.508W | | | | |
| 246 | 928 | 32 37.505N | 170 42.430M | 248 | 2036 | 36 29.372N | 163 53.869W | | | | |
| 246 | 1112 | 32 40.072N | 170 41.566M | 248 | 2220 | 36 34.227N | 163 41.892W | | | | |
| 246 | 1300 | 32 47.391N | 170 30.443M | 249 | 6 | 36 39.639N | 163 29.577W | | | | |
| 246 | 1324 | 32 48.939N | 170 27.952M | 249 | 40 | 36 42.236N | 163 25.103M | | | | |
| 246 | 1456 | 32 55.189N | 170 17.944M | | | | | | | | |
| 246 | 1642 | 33 3.200N | 170 6.392M | | | | | | | | |

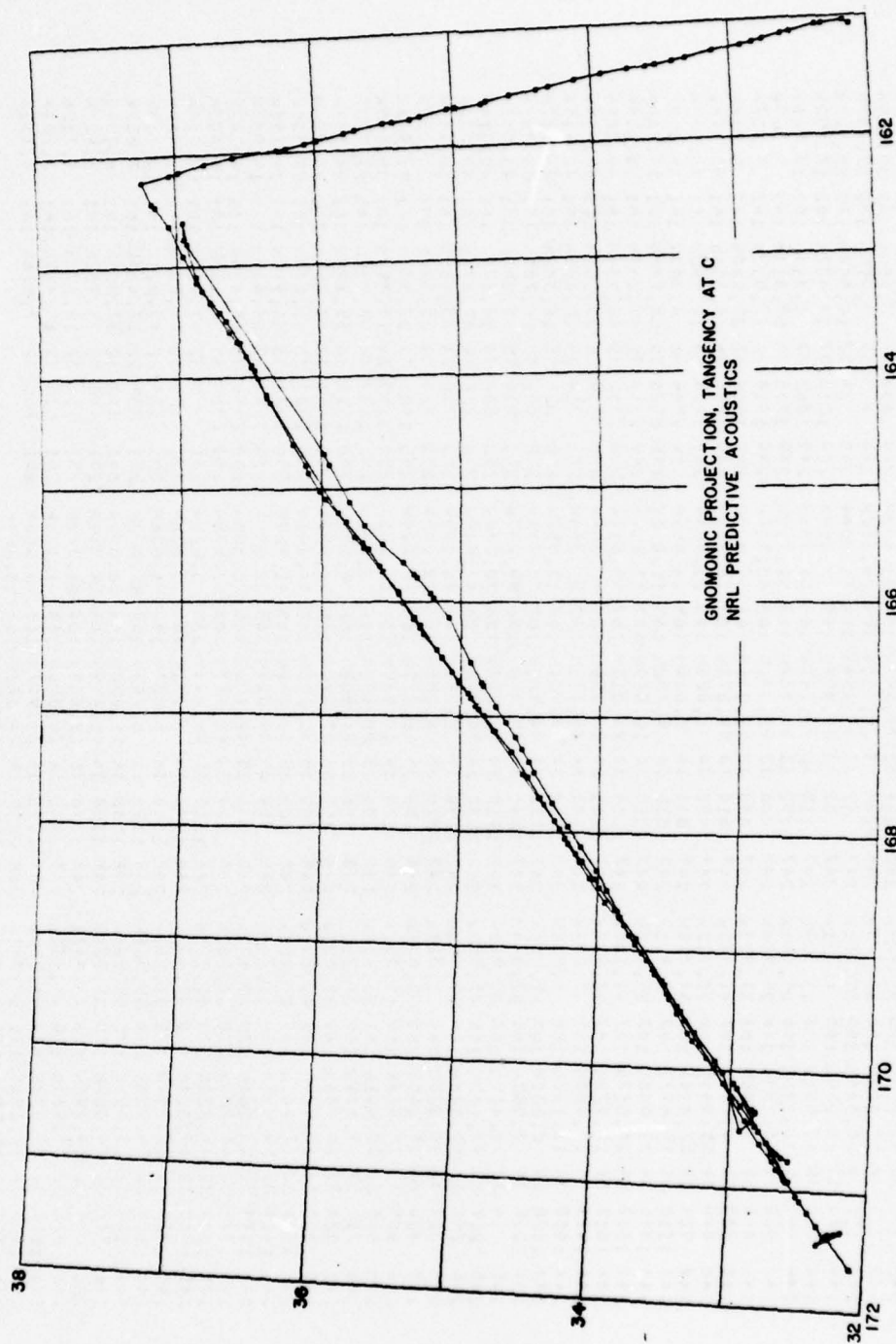


Fig. A1 — Navigation from Magnavox 702 satellite receiver

NAVIGATION DATA

LOAN C FIXES

DAY.....JULIAN DAY
TIME.....GMT
LATITUDE.....DEGREES AND MINUTES
LONGITUDE.....DEGREES AND MINUTES

| DAY TIME | LATITUDE | LONGITUDE | DAY TIME | LATITUDE | LONGITUDE |
|----------|------------|-------------|----------|------------|-------------|
| 235 400 | 32 12.425N | 171 21.053M | 240 915 | 33 6.159N | 169 56.940M |
| 235 400 | 32 12.425N | 171 21.053M | 240 915 | 33 6.159N | 169 56.940M |
| 235 504 | 32 16.987N | 171 24.356M | 240 930 | 33 8.190N | 169 53.582M |
| 235 504 | 32 16.987N | 171 24.356M | 240 930 | 33 8.190N | 169 53.582M |
| 235 600 | 32 20.971N | 171 27.087M | 240 945 | 33 9.243N | 169 51.840M |
| 235 600 | 32 20.971N | 171 27.087M | 240 945 | 33 9.243N | 169 51.840M |
| 235 630 | 32 19.293N | 171 26.546M | 240 1000 | 33 10.381N | 169 50.170M |
| 235 630 | 32 19.293N | 171 26.546M | 240 1000 | 33 10.381N | 169 50.170M |
| 235 700 | 32 16.000N | 171 25.318M | 240 1015 | 33 11.516N | 169 48.388M |
| 235 700 | 32 16.000N | 171 25.318M | 240 1015 | 33 11.516N | 169 48.388M |
| 235 715 | 32 16.570N | 171 24.638M | 240 1030 | 33 12.424N | 169 46.753M |
| 235 715 | 32 16.570N | 171 24.638M | 240 1030 | 33 12.424N | 169 46.753M |
| 235 730 | 32 17.637N | 171 23.006M | 240 1045 | 33 13.472N | 169 45.110M |
| 235 730 | 32 17.637N | 171 23.006M | 240 1045 | 33 13.472N | 169 45.110M |
| 235 745 | 32 18.716N | 171 21.324M | 240 1100 | 33 14.762N | 169 43.325M |
| 235 745 | 32 18.716N | 171 21.324M | 240 1100 | 33 14.762N | 169 43.325M |
| 235 800 | 32 19.747N | 171 19.655M | 240 1115 | 33 15.687N | 169 41.801M |
| 235 800 | 32 19.747N | 171 19.655M | 240 1115 | 33 15.687N | 169 41.801M |
| 235 815 | 32 20.663N | 171 18.070M | 240 1130 | 33 16.963N | 169 40.084M |
| 235 815 | 32 20.663N | 171 18.070M | 240 1130 | 33 16.963N | 169 40.084M |
| 235 830 | 32 21.782N | 171 16.274M | 240 1145 | 33 18.024N | 169 38.441M |
| 235 830 | 32 21.782N | 171 16.274M | 240 1145 | 33 18.024N | 169 38.441M |
| 235 845 | 32 22.818N | 171 14.562M | 240 1200 | 33 19.151N | 169 36.750M |
| 235 845 | 32 22.818N | 171 14.562M | 240 1200 | 33 19.151N | 169 36.750M |
| 235 900 | 32 23.822N | 171 12.884M | 240 1215 | 33 20.394N | 169 34.955M |
| 235 900 | 32 23.822N | 171 12.884M | 240 1215 | 33 20.394N | 169 34.955M |
| 235 915 | 32 24.904N | 171 11.117M | 240 1230 | 33 21.367N | 169 33.180M |
| 235 915 | 32 24.904N | 171 11.117M | 240 1230 | 33 21.367N | 169 33.180M |
| 235 930 | 32 25.797N | 171 9.477M | 240 1245 | 33 22.508N | 169 31.356M |
| 235 930 | 32 25.797N | 171 9.477M | 240 1245 | 33 22.508N | 169 31.356M |
| 235 945 | 32 26.838N | 171 7.766M | 240 1300 | 33 23.461N | 169 29.542M |
| 235 945 | 32 26.838N | 171 7.766M | 240 1300 | 33 23.461N | 169 29.542M |
| 235 1000 | 32 27.809N | 171 6.092M | 240 1315 | 33 24.312N | 169 27.701M |
| 235 1000 | 32 27.809N | 171 6.092M | 240 1315 | 33 24.312N | 169 27.701M |
| 235 1015 | 32 28.861N | 171 4.338M | 240 1330 | 33 25.392N | 169 25.815M |
| 235 1015 | 32 28.861N | 171 4.338M | 240 1330 | 33 25.392N | 169 25.815M |
| 235 1030 | 32 29.937N | 171 2.766M | 240 1345 | 33 26.277N | 169 23.989M |
| 235 1030 | 32 29.937N | 171 2.766M | 240 1345 | 33 26.277N | 169 23.989M |
| 235 1045 | 32 31.082N | 171 1.075M | 240 1400 | 33 27.201N | 169 22.155M |
| 235 1045 | 32 31.082N | 171 1.075M | 240 1400 | 33 27.201N | 169 22.155M |
| 235 1100 | 32 32.072N | 170 55.360M | 240 1415 | 33 28.180N | 169 20.347M |
| 235 1100 | 32 32.072N | 170 55.360M | 240 1415 | 33 28.180N | 169 20.347M |
| 235 1115 | 32 33.102N | 170 57.693M | 240 1430 | 33 29.801N | 169 18.575M |
| 235 1115 | 32 33.102N | 170 57.693M | 240 1430 | 33 29.801N | 169 18.575M |
| 235 1130 | 32 34.035N | 170 56.020M | 240 1445 | 33 30.073N | 169 16.696M |
| 235 1130 | 32 34.035N | 170 56.020M | 240 1445 | 33 30.073N | 169 16.696M |
| 235 1145 | 32 34.916N | 170 54.313M | 240 1500 | 33 30.897N | 169 14.914M |
| 235 1145 | 32 34.916N | 170 54.313M | 240 1500 | 33 30.897N | 169 14.914M |
| 235 1200 | 32 35.923N | 170 52.548M | 240 1515 | 33 31.889N | 169 13.081M |
| 235 1200 | 32 35.923N | 170 52.548M | 240 1515 | 33 31.889N | 169 13.081M |
| 235 1215 | 32 36.792N | 170 50.861M | 240 1530 | 33 32.874N | 169 11.296M |
| 235 1215 | 32 36.792N | 170 50.861M | 240 1530 | 33 32.874N | 169 11.296M |
| 235 1230 | 32 37.613N | 170 49.195M | 240 1545 | 33 33.706N | 169 9.542M |
| 235 1230 | 32 37.613N | 170 49.195M | 240 1545 | 33 33.706N | 169 9.542M |
| 235 1245 | 32 38.578N | 170 47.489M | 240 1600 | 33 34.752N | 169 7.730M |
| 235 1245 | 32 38.578N | 170 47.489M | 240 1600 | 33 34.752N | 169 7.730M |
| 235 1300 | 32 39.405N | 170 45.776M | 240 1615 | 33 35.857N | 169 5.917M |
| 235 1300 | 32 39.405N | 170 45.776M | 240 1615 | 33 35.857N | 169 5.917M |
| 235 1315 | 32 40.391N | 170 44.023M | 240 1630 | 33 36.811N | 169 4.137M |
| 235 1315 | 32 40.391N | 170 44.023M | 240 1630 | 33 36.811N | 169 4.137M |
| 235 1330 | 32 41.308N | 170 42.392M | 240 1645 | 33 37.867N | 169 2.351M |
| 235 1330 | 32 41.308N | 170 42.392M | 240 1645 | 33 37.867N | 169 2.351M |
| 235 1345 | 32 42.172N | 170 40.810M | 240 1700 | 33 38.906N | 169 0.714M |
| 235 1345 | 32 42.172N | 170 40.810M | 240 1700 | 33 38.906N | 169 0.714M |
| 235 1400 | 32 43.141N | 170 39.182M | 240 1715 | 33 39.905N | 168 58.844M |
| 235 1400 | 32 43.141N | 170 39.182M | 240 1715 | 33 39.905N | 168 58.844M |
| 235 1415 | 32 44.209N | 170 37.531M | 240 1730 | 33 40.698N | 168 56.903M |
| 235 1415 | 32 44.209N | 170 37.531M | 240 1730 | 33 40.698N | 168 56.903M |
| 235 1430 | 32 45.341N | 170 35.723M | 240 1745 | 33 42.084N | 168 55.315M |
| 235 1430 | 32 45.341N | 170 35.723M | 240 1745 | 33 42.084N | 168 55.315M |
| 235 1445 | 32 46.267N | 170 34.015M | 240 1800 | 33 43.224N | 168 53.451M |
| 235 1445 | 32 46.267N | 170 34.015M | 240 1800 | 33 43.224N | 168 53.451M |
| 235 1500 | 32 47.264N | 170 32.291M | 240 1815 | 33 44.506N | 168 51.410M |
| 235 1500 | 32 47.264N | 170 32.291M | 240 1815 | 33 44.506N | 168 51.410M |
| 235 1515 | 32 48.116N | 170 30.506M | 240 1830 | 33 45.450N | 168 49.770M |
| 235 1515 | 32 48.116N | 170 30.506M | 240 1830 | 33 45.450N | 168 49.770M |
| 235 1530 | 32 49.095N | 170 28.663M | 240 1845 | 33 46.565N | 168 47.887M |
| 235 1530 | 32 49.095N | 170 28.663M | 240 1845 | 33 46.565N | 168 47.887M |
| 235 1545 | 32 50.139N | 170 26.856M | 240 1900 | 33 47.645N | 168 46.119M |
| 235 1545 | 32 50.139N | 170 26.856M | 240 1900 | 33 47.645N | 168 46.119M |
| 235 1600 | 32 50.870N | 170 25.136M | 240 1915 | 33 48.759N | 168 44.205M |
| 235 1600 | 32 50.870N | 170 25.136M | 240 1915 | 33 48.759N | 168 44.205M |
| 235 1615 | 32 51.921N | 170 23.359M | 240 1930 | 33 49.816N | 168 42.422M |
| 235 1615 | 32 51.921N | 170 23.359M | 240 1930 | 33 49.816N | 168 42.422M |
| 235 1630 | 32 52.787N | 170 21.605M | 240 1945 | 33 50.826N | 168 40.430M |
| 235 1630 | 32 52.787N | 170 21.605M | 240 1945 | 33 50.826N | 168 40.430M |

| LAT | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|----------|-----------|-----|---------|----------|-----------|-----|---------|----------|-----------|-----|------|----------|-----------|-----|---------|----------|-----------|
| 240 | 2000 | 33 | 51.746N | 168 | 36.450W | 241 | 845 | 34 | 37.356N | 167 | 8.340W | 241 | 2100 | 35 | 21.713N | 165 | 43.648W | | |
| 240 | 2005 | 33 | 52.538N | 168 | 36.677W | 241 | 900 | 34 | 38.379N | 167 | 6.530W | 241 | 2105 | 35 | 22.937N | 165 | 42.039W | | |
| 240 | 2010 | 33 | 53.388N | 168 | 34.816W | 241 | 915 | 34 | 39.331N | 167 | 4.800W | 241 | 2110 | 35 | 24.088N | 165 | 40.540W | | |
| 240 | 2015 | 33 | 54.253N | 168 | 33.026W | 241 | 930 | 34 | 40.235N | 167 | 3.079W | 241 | 2115 | 35 | 25.323N | 165 | 38.957W | | |
| 240 | 2100 | 33 | 55.150N | 168 | 31.190W | 241 | 945 | 34 | 41.255N | 167 | 1.207W | 241 | 2120 | 35 | 26.461N | 165 | 37.506W | | |
| 240 | 2105 | 33 | 56.099N | 168 | 29.334W | 241 | 1000 | 34 | 42.297N | 166 | 59.312W | 241 | 2125 | 35 | 27.733N | 165 | 36.082W | | |
| 240 | 2110 | 33 | 56.941N | 168 | 27.484W | 241 | 1015 | 34 | 43.361N | 166 | 57.342W | 241 | 2130 | 35 | 28.887N | 165 | 34.790W | | |
| 240 | 2115 | 33 | 57.825N | 168 | 25.742W | 241 | 1030 | 34 | 44.309N | 166 | 55.571W | 241 | 2135 | 35 | 30.245N | 165 | 33.377W | | |
| 240 | 2120 | 33 | 58.655N | 168 | 23.861W | 241 | 1045 | 34 | 45.181N | 166 | 53.667W | 241 | 2140 | 35 | 31.582N | 165 | 32.009W | | |
| 240 | 2125 | 33 | 59.517N | 168 | 22.011W | 241 | 1100 | 34 | 46.124N | 166 | 51.847W | 241 | 2145 | 35 | 32.777N | 165 | 30.498W | | |
| 240 | 2130 | 34 | 0.360N | 168 | 20.142W | 241 | 1115 | 34 | 47.142N | 166 | 50.079W | 241 | 2150 | 35 | 33.981N | 165 | 29.067W | | |
| 240 | 2135 | 34 | 1.195N | 168 | 18.348W | 241 | 1130 | 34 | 48.060N | 166 | 48.235W | 241 | 2155 | 35 | 35.241N | 165 | 27.645W | | |
| 240 | 2140 | 34 | 2.007N | 168 | 16.522W | 241 | 1145 | 34 | 49.121N | 166 | 46.379W | 242 | 0 | 35 | 36.504N | 165 | 26.219W | | |
| 240 | 2145 | 34 | 2.807N | 168 | 14.840W | 241 | 1200 | 34 | 49.967N | 166 | 44.615W | 242 | 15 | 35 | 37.884N | 165 | 24.595W | | |
| 240 | 2150 | 34 | 3.588N | 168 | 13.126W | 241 | 1215 | 34 | 50.788N | 166 | 42.840W | 242 | 30 | 35 | 39.019N | 165 | 23.189W | | |
| 240 | 2155 | 34 | 4.978N | 168 | 11.495W | 241 | 1230 | 34 | 51.630N | 166 | 41.017W | 242 | 45 | 35 | 40.124N | 165 | 21.746W | | |
| 241 | 0 | 34 | 6.117N | 168 | 9.603W | 241 | 1245 | 34 | 52.567N | 166 | 39.166W | 242 | 100 | 35 | 41.052N | 165 | 20.128W | | |
| 241 | 15 | 34 | 7.128N | 168 | 7.002W | 241 | 1300 | 34 | 53.240N | 166 | 37.449W | 242 | 115 | 35 | 42.041N | 165 | 18.574W | | |
| 241 | 30 | 34 | 8.129N | 168 | 4.182W | 241 | 1315 | 34 | 53.983N | 166 | 35.697W | 242 | 130 | 35 | 43.114N | 165 | 16.759W | | |
| 241 | 45 | 34 | 9.127N | 168 | 1.359W | 241 | 1330 | 34 | 54.749N | 166 | 33.923W | 242 | 145 | 35 | 44.121N | 165 | 15.092W | | |
| 241 | 100 | 34 | 10.048N | 168 | 0.741W | 241 | 1345 | 34 | 55.634N | 166 | 32.101W | 242 | 200 | 35 | 45.103N | 165 | 13.444W | | |
| 241 | 115 | 34 | 11.084N | 167 | 55.415W | 241 | 1400 | 34 | 56.300N | 166 | 30.348W | 242 | 215 | 35 | 46.105N | 165 | 11.695W | | |
| 241 | 130 | 34 | 12.024N | 167 | 55.415W | 241 | 1415 | 34 | 56.968N | 166 | 28.572W | 242 | 230 | 35 | 47.105N | 165 | 9.647W | | |
| 241 | 145 | 34 | 13.060N | 167 | 57.628W | 241 | 1430 | 34 | 57.748N | 166 | 26.780W | 242 | 245 | 35 | 48.105N | 165 | 7.490W | | |
| 241 | 160 | 34 | 14.093N | 167 | 57.612W | 241 | 1445 | 34 | 58.483N | 166 | 25.023W | 242 | 260 | 35 | 49.105N | 165 | 5.341W | | |
| 241 | 175 | 34 | 15.037N | 167 | 54.195W | 241 | 1500 | 34 | 59.313N | 166 | 23.203W | 242 | 275 | 35 | 49.750N | 165 | 3.181W | | |
| 241 | 190 | 34 | 15.977N | 167 | 52.466W | 241 | 1515 | 35 | 0.120N | 166 | 21.452W | 242 | 290 | 35 | 50.638N | 165 | 1.165W | | |
| 241 | 205 | 34 | 16.957N | 167 | 50.795W | 241 | 1530 | 35 | 0.899N | 166 | 19.639W | 242 | 305 | 35 | 51.597N | 164 | 59.049W | | |
| 241 | 220 | 34 | 17.919N | 167 | 45.043W | 241 | 1545 | 35 | 1.773N | 166 | 17.795W | 242 | 320 | 35 | 52.521N | 164 | 56.867W | | |
| 241 | 235 | 34 | 18.831N | 167 | 47.377W | 241 | 1600 | 35 | 2.578N | 166 | 16.065W | 242 | 335 | 35 | 53.507N | 164 | 54.747W | | |
| 241 | 250 | 34 | 19.811N | 167 | 45.680W | 241 | 1615 | 35 | 3.401N | 166 | 14.203W | 242 | 350 | 35 | 54.429N | 164 | 52.557W | | |
| 241 | 265 | 34 | 20.676N | 167 | 44.018W | 241 | 1630 | 35 | 4.305N | 166 | 12.494W | 242 | 365 | 35 | 55.328N | 164 | 50.414W | | |
| 241 | 280 | 34 | 21.609N | 167 | 42.326W | 241 | 1645 | 35 | 5.199N | 166 | 10.619W | 242 | 380 | 35 | 56.139N | 164 | 48.254W | | |
| 241 | 295 | 34 | 22.495N | 167 | 40.585W | 241 | 1700 | 35 | 5.800N | 166 | 8.879W | 242 | 395 | 35 | 56.991N | 164 | 46.207W | | |
| 241 | 310 | 34 | 23.403N | 167 | 38.884W | 241 | 1715 | 35 | 6.572N | 166 | 7.075W | 242 | 410 | 35 | 57.944N | 164 | 44.063W | | |
| 241 | 325 | 34 | 24.309N | 167 | 37.176W | 241 | 1730 | 35 | 7.453N | 166 | 5.457W | 242 | 425 | 35 | 58.809N | 164 | 41.900W | | |
| 241 | 340 | 34 | 25.194N | 167 | 35.352W | 241 | 1745 | 35 | 8.409N | 166 | 3.829W | 242 | 440 | 35 | 59.456N | 164 | 39.611W | | |
| 241 | 355 | 34 | 25.986N | 167 | 33.494W | 241 | 1800 | 35 | 9.314N | 166 | 2.185W | 242 | 455 | 36 | 0.231N | 164 | 37.850W | | |
| 241 | 370 | 34 | 26.774N | 167 | 31.738W | 241 | 1815 | 35 | 10.245N | 166 | 0.544W | 242 | 470 | 36 | 1.238N | 164 | 35.699W | | |
| 241 | 385 | 34 | 27.630N | 167 | 29.978W | 241 | 1830 | 35 | 11.153N | 165 | 58.949W | 242 | 485 | 36 | 2.135N | 164 | 33.584W | | |
| 241 | 400 | 34 | 28.391N | 167 | 28.236W | 241 | 1845 | 35 | 12.129N | 165 | 57.234W | 242 | 500 | 36 | 3.037N | 164 | 31.529W | | |
| 241 | 415 | 34 | 29.129N | 167 | 26.457W | 241 | 1900 | 35 | 13.197N | 165 | 55.684W | 242 | 515 | 36 | 4.234N | 164 | 29.497W | | |
| 241 | 430 | 34 | 29.980N | 167 | 24.637W | 241 | 1915 | 35 | 13.974N | 165 | 54.091W | 242 | 530 | 36 | 5.350N | 164 | 27.512W | | |
| 241 | 445 | 34 | 30.806N | 167 | 22.833W | 241 | 1930 | 35 | 14.918N | 165 | 52.628W | 242 | 545 | 36 | 6.488N | 164 | 25.470W | | |
| 241 | 460 | 34 | 31.584N | 167 | 21.117W | 241 | 1945 | 35 | 15.865N | 165 | 51.217W | 242 | 560 | 36 | 7.653N | 164 | 23.467W | | |
| 241 | 475 | 34 | 32.337N | 167 | 19.337W | 241 | 2000 | 35 | 16.938N | 165 | 49.752W | 242 | 575 | 36 | 8.854N | 164 | 21.516W | | |
| 241 | 490 | 34 | 33.229N | 167 | 17.365W | 241 | 2015 | 35 | 18.084N | 165 | 48.220W | 242 | 590 | 36 | 9.673N | 164 | 19.312W | | |
| 241 | 505 | 34 | 34.843N | 167 | 15.754W | 241 | 2030 | 35 | 19.330N | 165 | 46.620W | 242 | 605 | 36 | 10.456N | 164 | 17.160W | | |
| 241 | 520 | 34 | 36.473N | 167 | 14.061W | 241 | 2045 | 35 | 20.583N | 165 | 45.114W | 242 | 620 | 36 | 11.231N | 164 | 15.012W | | |

| DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|------------|-------------|-----|------|------------|-------------|-----|------|------------|-------------|
| 242 | 845 | 36 11.021N | 164 17.275W | 242 | 2200 | 36 57.210N | 162 39.735W | 243 | 1045 | 36 21.753N | 164 12.161W |
| 242 | 850 | 36 11.943N | 164 15.522W | 242 | 2230 | 36 57.166N | 162 35.749W | 243 | 1100 | 36 20.696N | 164 14.151W |
| 242 | 915 | 36 13.405N | 164 13.437W | 242 | 2300 | 36 56.792N | 162 38.831W | 243 | 1115 | 36 20.086N | 164 15.940W |
| 242 | 930 | 36 14.232N | 164 13.828W | 242 | 2330 | 36 55.982N | 162 41.495W | 243 | 1130 | 36 19.280N | 164 17.813W |
| 242 | 945 | 36 15.387N | 164 10.032W | 243 | 0 | 36 55.389N | 162 45.950W | 243 | 1145 | 36 18.304N | 164 19.746W |
| 242 | 1000 | 36 16.120N | 164 6.574W | 243 | 30 | 36 55.515N | 162 51.428W | 243 | 1200 | 36 17.528N | 164 21.617W |
| 242 | 1015 | 36 17.155N | 164 6.952W | 243 | 100 | 36 55.776N | 162 57.028W | 243 | 1215 | 36 16.466N | 164 23.559W |
| 242 | 1030 | 36 18.235N | 164 5.221W | 243 | 110 | 36 55.712N | 162 58.563W | 243 | 1230 | 36 15.464N | 164 25.505W |
| 242 | 1045 | 36 19.233N | 164 3.532W | 243 | 115 | 36 55.187N | 162 59.388W | 243 | 1245 | 36 14.943N | 164 27.319W |
| 242 | 1100 | 36 19.989N | 164 2.005W | 243 | 130 | 36 54.122N | 163 1.410W | 243 | 1300 | 36 13.576N | 164 29.374W |
| 242 | 1115 | 36 21.075N | 164 2.295W | 243 | 145 | 36 52.972N | 163 3.606W | 243 | 1315 | 36 12.663N | 164 31.321W |
| 242 | 1130 | 36 22.041N | 163 58.564W | 243 | 147 | 36 52.855N | 163 4.010W | 243 | 1330 | 36 12.088N | 164 33.175W |
| 242 | 1145 | 36 22.945N | 163 56.822W | 243 | 200 | 36 52.035N | 163 5.896W | 243 | 1345 | 36 10.981N | 164 35.199W |
| 242 | 1200 | 36 23.802N | 163 55.157W | 243 | 215 | 36 51.120N | 163 8.125W | 243 | 1400 | 36 10.189N | 164 37.182W |
| 242 | 1215 | 36 24.987N | 163 53.268W | 243 | 218 | 36 51.001N | 163 8.228W | 243 | 1415 | 36 9.425N | 164 39.167W |
| 242 | 1230 | 36 25.638N | 163 51.631W | 243 | 230 | 36 50.243N | 163 10.205W | 243 | 1430 | 36 8.597N | 164 41.111W |
| 242 | 1245 | 36 26.883N | 163 45.712W | 243 | 245 | 36 49.506N | 163 12.173W | 243 | 1445 | 36 7.931N | 164 42.966W |
| 242 | 1300 | 36 27.564N | 163 41.072W | 243 | 300 | 36 48.721N | 163 14.222W | 243 | 1500 | 36 6.992N | 164 44.942W |
| 242 | 1315 | 36 28.497N | 163 46.285W | 243 | 315 | 36 48.000N | 163 16.098W | 243 | 1515 | 36 5.988N | 164 47.099W |
| 242 | 1330 | 36 29.624N | 163 44.365W | 243 | 330 | 36 47.225N | 163 17.950W | 243 | 1530 | 36 5.427N | 164 49.131W |
| 242 | 1345 | 36 30.460N | 163 42.538W | 243 | 333 | 36 47.100N | 163 18.220W | 243 | 1545 | 36 4.356N | 164 51.214W |
| 242 | 1400 | 36 31.321N | 163 40.673W | 243 | 345 | 36 46.596N | 163 19.522W | 243 | 1600 | 36 3.836N | 164 53.136W |
| 242 | 1415 | 36 32.366N | 163 36.794W | 243 | 400 | 36 45.767N | 163 21.323W | 243 | 1615 | 36 2.796N | 164 55.496W |
| 242 | 1430 | 36 33.306N | 163 36.920W | 243 | 415 | 36 44.987N | 163 23.036W | 243 | 1630 | 36 1.464N | 164 58.803W |
| 242 | 1445 | 36 34.260N | 163 35.323W | 243 | 430 | 36 44.158N | 163 24.831W | 243 | 1645 | 36 0.257N | 165 0.677W |
| 242 | 1500 | 36 35.157N | 163 33.650W | 243 | 445 | 36 43.189N | 163 26.726W | 243 | 1700 | 36 0.257N | 165 0.677W |
| 242 | 1515 | 36 36.361N | 163 31.942W | 243 | 500 | 36 42.252N | 163 28.021W | 243 | 1715 | 35 59.171N | 165 2.624W |
| 242 | 1530 | 36 37.435N | 163 31.190W | 243 | 515 | 36 41.353N | 163 30.543W | 243 | 1730 | 35 58.328N | 165 4.472W |
| 242 | 1545 | 36 38.605N | 163 28.441W | 243 | 530 | 36 40.465N | 163 32.347W | 243 | 1745 | 35 57.425N | 165 6.278W |
| 242 | 1600 | 36 39.681N | 163 26.681W | 243 | 545 | 36 39.424N | 163 34.163W | 243 | 1800 | 35 56.546N | 165 8.059W |
| 242 | 1615 | 36 40.687N | 163 24.926W | 243 | 600 | 36 38.496N | 163 35.899W | 243 | 1815 | 35 55.628N | 165 9.995W |
| 242 | 1630 | 36 42.035N | 163 23.191W | 243 | 615 | 36 37.461N | 163 37.737W | 243 | 1830 | 35 54.757N | 165 11.576W |
| 242 | 1645 | 36 43.298N | 163 21.372W | 243 | 630 | 36 36.597N | 163 39.471W | 243 | 1845 | 35 53.762N | 165 13.297W |
| 242 | 1700 | 36 44.078N | 163 15.864W | 243 | 645 | 36 35.188N | 163 41.467W | 243 | 1900 | 35 52.894N | 165 14.901W |
| 242 | 1715 | 36 45.295N | 163 15.122W | 243 | 700 | 36 34.245N | 163 43.272W | 243 | 1915 | 35 51.891N | 165 16.532W |
| 242 | 1730 | 36 46.806N | 163 15.046W | 243 | 715 | 36 33.308N | 163 45.102W | 243 | 1930 | 35 50.804N | 165 18.142W |
| 242 | 1745 | 36 47.691N | 163 14.562W | 243 | 730 | 36 32.358N | 163 47.042W | 243 | 1945 | 35 49.682N | 165 19.659W |
| 242 | 1800 | 36 48.735N | 163 13.707W | 243 | 745 | 36 31.444N | 163 49.011W | 243 | 2000 | 35 48.485N | 165 21.240W |
| 242 | 1815 | 36 49.916N | 163 13.535W | 243 | 800 | 36 30.450N | 163 51.053W | 243 | 2015 | 35 47.416N | 165 22.706W |
| 242 | 1830 | 36 50.798N | 163 6.661W | 243 | 815 | 36 29.979N | 163 52.918W | 243 | 2030 | 35 46.484N | 165 24.169W |
| 242 | 1845 | 36 51.823N | 163 6.495W | 243 | 830 | 36 29.285N | 163 54.928W | 243 | 2045 | 35 45.565N | 165 25.770W |
| 242 | 1900 | 36 52.782N | 163 4.504W | 243 | 845 | 36 28.469N | 163 57.067W | 243 | 2100 | 35 44.539N | 165 27.372W |
| 242 | 1915 | 36 53.741N | 163 2.328W | 243 | 900 | 36 27.732N | 163 59.064W | 243 | 2115 | 35 43.359N | 165 29.077W |
| 242 | 1930 | 36 54.728N | 163 1.296W | 243 | 915 | 36 27.330N | 164 0.814W | 243 | 2130 | 35 42.125N | 165 30.766W |
| 242 | 1945 | 36 55.578N | 162 58.224W | 243 | 930 | 36 25.959N | 164 2.962W | 243 | 2145 | 35 40.932N | 165 32.597W |
| 242 | 2000 | 36 56.582N | 162 56.096W | 243 | 945 | 36 25.494N | 164 4.699W | 243 | 2200 | 35 39.715N | 165 34.446W |
| 242 | 2030 | 36 56.944N | 162 51.842W | 243 | 1000 | 36 24.541N | 164 6.603W | 243 | 2215 | 35 38.501N | 165 36.319W |
| 242 | 2100 | 36 57.135N | 162 47.931W | 243 | 1015 | 36 23.654N | 164 8.540W | 243 | 2230 | 35 37.519N | 165 38.074W |
| 242 | 2130 | 36 57.296N | 162 43.750W | 243 | 1030 | 36 22.644N | 164 10.459W | 243 | 2245 | 35 37.481N | 165 39.941W |

| LAT | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|-------------|--------------|-----|------|-------------|--------------|-----|------|-------------|--------------|
| 242 | 2300 | 35 29, 295N | 165 41, 652M | 244 | 1115 | 34 45, 767N | 167 7, 257M | 244 | 2330 | 33 59, 142N | 168 30, 836M |
| 242 | 2315 | 35 24, 161N | 165 41, 496M | 244 | 1130 | 34 44, 679N | 167 8, 876M | 244 | 2345 | 33 58, 201N | 168 32, 609M |
| 242 | 2330 | 35 22, 237N | 165 41, 954M | 244 | 1145 | 34 43, 781N | 167 10, 608M | 245 | 0 | 33 57, 213N | 168 34, 387M |
| 242 | 2345 | 35 22, 194N | 165 46, 565M | 244 | 1200 | 34 42, 858N | 167 12, 249M | 245 | 15 | 33 56, 245N | 168 36, 172M |
| 244 | 0 | 35 21, 099N | 165 46, 197M | 244 | 1215 | 34 41, 840N | 167 13, 963M | 245 | 30 | 33 55, 208N | 168 37, 978M |
| 244 | 15 | 35 20, 145N | 165 45, 935M | 244 | 1230 | 34 41, 010N | 167 15, 603M | 245 | 45 | 33 54, 112N | 168 39, 703M |
| 244 | 30 | 35 20, 164N | 165 51, 664M | 244 | 1245 | 34 40, 155N | 167 17, 234M | 245 | 100 | 33 53, 138N | 168 41, 240M |
| 244 | 45 | 35 20, 209N | 165 51, 396M | 244 | 1300 | 34 39, 135N | 167 18, 887M | 245 | 115 | 33 52, 035N | 168 43, 010M |
| 244 | 100 | 35 20, 281N | 165 51, 132M | 244 | 1315 | 34 38, 303N | 167 20, 441M | 245 | 130 | 33 50, 994N | 168 44, 566M |
| 244 | 115 | 35 20, 452N | 165 56, 808M | 244 | 1330 | 34 37, 353N | 167 22, 006M | 245 | 145 | 33 49, 873N | 168 46, 270M |
| 244 | 130 | 35 25, 551N | 165 56, 572M | 244 | 1345 | 34 37, 157N | 167 22, 976M | 245 | 200 | 33 48, 708N | 168 47, 979M |
| 244 | 145 | 35 26, 621N | 166 0, 298M | 244 | 1400 | 34 35, 567N | 167 25, 195M | 245 | 215 | 33 47, 672N | 168 49, 683M |
| 244 | 200 | 35 23, 721N | 166 0, 084M | 244 | 1415 | 34 34, 638N | 167 26, 814M | 245 | 230 | 33 46, 592N | 168 51, 352M |
| 244 | 215 | 35 22, 742N | 166 1, 875M | 244 | 1430 | 34 33, 777N | 167 28, 481M | 245 | 245 | 33 45, 523N | 168 53, 124M |
| 244 | 230 | 35 21, 788N | 166 1, 641M | 244 | 1445 | 34 32, 892N | 167 30, 138M | 245 | 300 | 33 44, 496N | 168 54, 886M |
| 244 | 245 | 35 20, 729N | 166 7, 378M | 244 | 1500 | 34 31, 959N | 167 31, 802M | 245 | 315 | 33 43, 293N | 168 56, 697M |
| 244 | 300 | 35 18, 670N | 166 5, 112M | 244 | 1515 | 34 28, 799N | 167 32, 856M | 245 | 330 | 33 42, 180N | 168 58, 442M |
| 244 | 315 | 35 18, 408N | 166 10, 871M | 244 | 1530 | 34 30, 067N | 167 35, 167M | 245 | 345 | 33 41, 054N | 169 0, 285M |
| 244 | 330 | 35 17, 380N | 166 12, 686M | 244 | 1545 | 34 29, 013N | 167 36, 967M | 245 | 400 | 33 39, 956N | 169 2, 058M |
| 244 | 345 | 35 16, 625N | 166 14, 073M | 244 | 1600 | 34 28, 077N | 167 38, 761M | 245 | 415 | 33 38, 864N | 169 3, 752M |
| 244 | 400 | 35 13, 883N | 166 15, 423M | 244 | 1615 | 34 26, 948N | 167 40, 601M | 245 | 430 | 33 37, 749N | 169 5, 460M |
| 244 | 415 | 35 14, 220N | 166 16, 174M | 244 | 1630 | 34 26, 011N | 167 42, 196M | 245 | 445 | 33 36, 760N | 169 7, 146M |
| 244 | 430 | 35 13, 243N | 166 15, 990M | 244 | 1645 | 34 24, 931N | 167 43, 976M | 245 | 500 | 33 35, 770N | 169 8, 829M |
| 244 | 445 | 35 12, 191N | 166 21, 864M | 244 | 1700 | 34 23, 950N | 167 45, 645M | 245 | 515 | 33 34, 947N | 169 10, 485M |
| 244 | 500 | 35 11, 188N | 166 21, 693M | 244 | 1715 | 34 22, 840N | 167 47, 420M | 245 | 530 | 33 33, 944N | 169 12, 239M |
| 244 | 515 | 35 10, 186N | 166 25, 574M | 244 | 1730 | 34 21, 855N | 167 49, 216M | 245 | 545 | 33 33, 057N | 169 14, 048M |
| 244 | 530 | 35 9, 307N | 166 27, 405M | 244 | 1745 | 34 20, 833N | 167 50, 991M | 245 | 600 | 33 32, 093N | 169 15, 791M |
| 244 | 545 | 35 8, 302N | 166 29, 235M | 244 | 1800 | 34 19, 805N | 167 52, 667M | 245 | 615 | 33 31, 094N | 169 17, 623M |
| 244 | 600 | 35 7, 270N | 166 31, 034M | 244 | 1815 | 34 18, 844N | 167 54, 506M | 245 | 630 | 33 30, 047N | 169 19, 483M |
| 244 | 615 | 35 6, 265N | 166 32, 875M | 244 | 1830 | 34 18, 010N | 167 56, 176M | 245 | 645 | 33 28, 969N | 169 21, 406M |
| 244 | 630 | 35 5, 334N | 166 34, 734M | 244 | 1845 | 34 17, 131N | 167 57, 801M | 245 | 700 | 33 27, 786N | 169 23, 327M |
| 244 | 645 | 35 4, 299N | 166 36, 480M | 244 | 1900 | 34 16, 272N | 167 59, 431M | 245 | 715 | 33 26, 588N | 169 25, 186M |
| 244 | 700 | 35 3, 240N | 166 38, 242M | 244 | 1915 | 34 15, 387N | 168 1, 129M | 245 | 730 | 33 25, 400N | 169 27, 101M |
| 244 | 715 | 35 2, 155N | 166 39, 967M | 244 | 1930 | 34 14, 524N | 168 2, 807M | 245 | 745 | 33 24, 246N | 169 29, 057M |
| 244 | 730 | 35 1, 142N | 166 41, 625M | 244 | 1945 | 34 13, 613N | 168 4, 518M | 245 | 800 | 33 23, 205N | 169 30, 909M |
| 244 | 745 | 35 0, 155N | 166 43, 323M | 244 | 2000 | 34 12, 796N | 168 6, 105M | 245 | 815 | 33 22, 057N | 169 32, 784M |
| 244 | 800 | 34 58, 946N | 166 45, 028M | 244 | 2015 | 34 11, 947N | 168 7, 837M | 245 | 830 | 33 20, 990N | 169 34, 646M |
| 244 | 815 | 34 58, 079N | 166 46, 845M | 244 | 2030 | 34 11, 155N | 168 9, 507M | 245 | 845 | 33 19, 856N | 169 36, 525M |
| 244 | 830 | 34 57, 018N | 166 48, 363M | 244 | 2045 | 34 10, 176N | 168 11, 346M | 245 | 900 | 33 18, 875N | 169 38, 320M |
| 244 | 845 | 34 55, 934N | 166 50, 148M | 244 | 2100 | 34 9, 324N | 168 13, 045M | 245 | 915 | 33 17, 778N | 169 40, 188M |
| 244 | 900 | 34 54, 850N | 166 51, 931M | 244 | 2115 | 34 9, 467N | 168 14, 007M | 245 | 930 | 33 16, 822N | 169 41, 944M |
| 244 | 915 | 34 53, 355N | 166 52, 657M | 244 | 2130 | 34 7, 313N | 168 16, 685M | 245 | 945 | 33 15, 759N | 169 43, 682M |
| 244 | 930 | 34 52, 824N | 166 53, 372M | 244 | 2145 | 34 6, 415N | 168 18, 333M | 245 | 1000 | 33 14, 864N | 169 45, 229M |
| 244 | 945 | 34 51, 812N | 166 54, 165M | 244 | 2200 | 34 5, 416N | 168 20, 150M | 245 | 1015 | 33 13, 990N | 169 46, 780M |
| 244 | 1000 | 34 50, 725N | 166 56, 855M | 244 | 2215 | 34 4, 398N | 168 21, 904M | 245 | 1030 | 33 13, 129N | 169 48, 363M |
| 244 | 1015 | 34 49, 662N | 167 0, 554M | 244 | 2230 | 34 3, 338N | 168 23, 612M | 245 | 1045 | 33 12, 134N | 169 50, 008M |
| 244 | 1030 | 34 48, 602N | 167 2, 295M | 244 | 2245 | 34 2, 168N | 168 25, 358M | 245 | 1100 | 33 11, 187N | 169 51, 597M |
| 244 | 1045 | 34 47, 600N | 167 2, 965M | 244 | 2300 | 34 1, 155N | 168 27, 104M | 245 | 1115 | 33 10, 262N | 169 53, 278M |
| 244 | 1100 | 34 46, 784N | 167 5, 612M | 244 | 2315 | 34 0, 177N | 168 28, 967M | 245 | 1130 | 33 9, 145N | 169 55, 014M |

| LAT | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|----------|-----------|-----|----------|----------|-----------|-----|---------|----------|-----------|
| 245 | 1145 | 33 | 2,253N | 169 | 56,710M | 246 | 730 | 32 | 46,479N | 170 | 36,220M |
| 245 | 1200 | 33 | 7,373N | 169 | 56,710M | 246 | 800 | 32 | 45,140N | 170 | 38,559M |
| 245 | 1215 | 33 | 6,422N | 170 | 1,208M | 246 | 830 | 32 | 43,875N | 170 | 40,888M |
| 245 | 1230 | 33 | 5,602N | 170 | 1,889M | 246 | 900 | 32 | 42,560N | 170 | 43,241M |
| 245 | 1245 | 33 | 4,482N | 170 | 2,805M | 246 | 910 | 32 | 41,999N | 170 | 44,077M |
| 245 | 1300 | 33 | 3,442N | 170 | 3,685M | 246 | 945 | 32 | 38,428N | 170 | 47,067M |
| 245 | 1315 | 33 | 2,409N | 170 | 4,955M | 246 | 1000 | 32 | 37,423N | 170 | 49,131M |
| 245 | 1330 | 33 | 1,431N | 170 | 5,344M | 246 | 1015 | 32 | 36,167N | 170 | 49,131M |
| 245 | 1345 | 33 | 0,523N | 170 | 11,213M | 246 | 1030 | 32 | 39,109N | 170 | 47,598M |
| 245 | 1400 | 32 | 58,552N | 170 | 11,074M | 246 | 1045 | 32 | 39,933N | 170 | 45,974M |
| 245 | 1415 | 32 | 58,574N | 170 | 11,957M | 246 | 1100 | 32 | 40,925N | 170 | 44,379M |
| 245 | 1430 | 32 | 57,553N | 170 | 16,042M | 246 | 1115 | 32 | 41,868N | 170 | 42,720M |
| 245 | 1445 | 32 | 56,664N | 170 | 16,639M | 246 | 1130 | 32 | 42,961N | 170 | 41,093M |
| 245 | 1500 | 32 | 55,847N | 170 | 20,450M | 246 | 1145 | 32 | 43,977N | 170 | 39,416M |
| 245 | 1515 | 32 | 55,172N | 170 | 22,316M | 246 | 1200 | 32 | 45,104N | 170 | 37,853M |
| 245 | 1530 | 32 | 54,068N | 170 | 23,765M | 246 | 1215 | 32 | 46,287N | 170 | 36,296M |
| 245 | 1545 | 32 | 53,000N | 170 | 25,514M | 246 | 1230 | 32 | 47,491N | 170 | 34,721M |
| 245 | 1600 | 32 | 51,945N | 170 | 27,184M | 246 | 1245 | 32 | 48,603N | 170 | 33,200M |
| 245 | 1615 | 32 | 50,987N | 170 | 28,937M | 246 | 1300 | 32 | 49,651N | 170 | 31,611M |
| 245 | 1630 | 32 | 49,602N | 170 | 30,465M | 246 | 1315 | 32 | 50,644N | 170 | 29,989M |
| 245 | 1645 | 32 | 48,988N | 170 | 32,415M | 246 | 1330 | 32 | 51,633N | 170 | 28,372M |
| 245 | 1700 | 32 | 48,062N | 170 | 34,161M | 246 | 1345 | 32 | 52,638N | 170 | 26,774M |
| 245 | 1715 | 32 | 46,991N | 170 | 35,926M | 246 | 1400 | 32 | 53,621N | 170 | 25,170M |
| 245 | 1730 | 32 | 45,997N | 170 | 37,681M | 246 | 1415 | 32 | 54,574N | 170 | 23,602M |
| 245 | 1745 | 32 | 45,012N | 170 | 39,488M | 246 | 1430 | 32 | 55,520N | 170 | 22,056M |
| 245 | 1800 | 32 | 44,056N | 170 | 41,026M | 246 | 1445 | 32 | 56,526N | 170 | 20,493M |
| 245 | 1815 | 32 | 42,964N | 170 | 42,664M | 246 | 1500 | 32 | 57,583N | 170 | 18,870M |
| 245 | 1830 | 32 | 41,887N | 170 | 44,310M | 246 | 1515 | 32 | 58,607N | 170 | 17,202M |
| 245 | 1845 | 32 | 40,852N | 170 | 45,844M | 246 | 1530 | 32 | 59,691N | 170 | 15,514M |
| 245 | 1900 | 32 | 39,839N | 170 | 47,363M | 246 | 1545 | 33 | 0,764N | 170 | 13,872M |
| 245 | 1915 | 32 | 38,762N | 170 | 48,873M | 246 | 1600 | 33 | 1,835N | 170 | 12,228M |
| 245 | 1930 | 32 | 37,640N | 170 | 50,389M | 246 | 1615 | 33 | 2,502N | 170 | 10,815M |
| 245 | 1945 | 32 | 36,497N | 170 | 51,899M | 246 | 1630 | 33 | 3,054N | 170 | 9,407M |
| 245 | 2000 | 32 | 35,347N | 170 | 53,403M | 246 | 1645 | 33 | 3,487N | 170 | 8,077M |
| 245 | 2015 | 32 | 34,045N | 170 | 54,901M | 246 | 1700 | 33 | 3,977N | 170 | 6,707M |
| 245 | 2030 | 32 | 32,708N | 170 | 56,397M | 246 | 1715 | 33 | 4,439N | 170 | 5,350M |
| 245 | 2045 | 32 | 31,347N | 170 | 57,891M | 246 | 1730 | 33 | 4,890N | 170 | 4,000M |
| 245 | 2100 | 32 | 30,023N | 170 | 59,381M | 246 | 1745 | 33 | 5,338N | 170 | 2,650M |
| 245 | 2115 | 32 | 28,645N | 170 | 60,865M | 246 | 1800 | 33 | 5,783N | 170 | 1,300M |
| 245 | 2130 | 32 | 27,219N | 170 | 62,343M | 246 | 1815 | 33 | 6,225N | 170 | 0,000M |
| 245 | 2145 | 32 | 25,743N | 170 | 63,815M | 246 | 1830 | 33 | 6,664N | 170 | 0,000M |
| 245 | 2200 | 32 | 24,217N | 170 | 65,281M | 246 | 1845 | 33 | 7,103N | 170 | 0,000M |
| 245 | 2215 | 32 | 22,641N | 170 | 66,743M | 246 | 1900 | 33 | 7,542N | 170 | 0,000M |
| 245 | 2230 | 32 | 21,015N | 170 | 68,201M | 246 | 1915 | 33 | 7,981N | 170 | 0,000M |
| 245 | 2245 | 32 | 19,339N | 170 | 69,655M | 246 | 1930 | 33 | 8,420N | 170 | 0,000M |
| 245 | 2300 | 32 | 17,613N | 170 | 71,109M | 246 | 1945 | 33 | 8,859N | 170 | 0,000M |
| 245 | 2315 | 32 | 15,887N | 170 | 72,563M | 246 | 2000 | 33 | 9,298N | 170 | 0,000M |
| 245 | 2330 | 32 | 14,161N | 170 | 74,017M | 246 | 2015 | 33 | 9,737N | 170 | 0,000M |
| 245 | 2345 | 32 | 12,435N | 170 | 75,471M | 246 | 2030 | 33 | 10,176N | 170 | 0,000M |
| 245 | 2400 | 32 | 10,709N | 170 | 76,925M | 246 | 2045 | 33 | 10,615N | 170 | 0,000M |
| 245 | 2415 | 32 | 8,983N | 170 | 78,379M | 246 | 2100 | 33 | 11,054N | 170 | 0,000M |
| 245 | 2430 | 32 | 7,257N | 170 | 79,833M | 246 | 2115 | 33 | 11,493N | 170 | 0,000M |
| 245 | 2445 | 32 | 5,531N | 170 | 81,287M | 246 | 2130 | 33 | 11,932N | 170 | 0,000M |
| 245 | 2500 | 32 | 3,805N | 170 | 82,741M | 246 | 2145 | 33 | 12,371N | 170 | 0,000M |
| 245 | 2515 | 32 | 2,079N | 170 | 84,195M | 246 | 2200 | 33 | 12,810N | 170 | 0,000M |
| 245 | 2530 | 32 | 34,045N | 170 | 85,649M | 246 | 2215 | 33 | 13,249N | 170 | 0,000M |
| 245 | 2545 | 32 | 32,708N | 170 | 87,103M | 246 | 2230 | 33 | 13,688N | 170 | 0,000M |
| 245 | 2600 | 32 | 31,347N | 170 | 88,557M | 246 | 2245 | 33 | 14,127N | 170 | 0,000M |
| 245 | 2615 | 32 | 29,887N | 170 | 89,991M | 246 | 2300 | 33 | 14,566N | 170 | 0,000M |
| 245 | 2630 | 32 | 28,426N | 170 | 91,425M | 246 | 2315 | 33 | 15,005N | 170 | 0,000M |
| 245 | 2645 | 32 | 26,965N | 170 | 92,869M | 246 | 2330 | 33 | 15,444N | 170 | 0,000M |
| 245 | 2700 | 32 | 25,504N | 170 | 94,313M | 246 | 2345 | 33 | 15,883N | 170 | 0,000M |
| 245 | 2715 | 32 | 24,043N | 170 | 95,757M | 246 | 2400 | 33 | 16,322N | 170 | 0,000M |
| 245 | 2730 | 32 | 22,582N | 170 | 97,201M | 246 | 2415 | 33 | 16,761N | 170 | 0,000M |
| 245 | 2745 | 32 | 21,121N | 170 | 98,645M | 246 | 2430 | 33 | 17,200N | 170 | 0,000M |
| 245 | 2800 | 32 | 19,660N | 170 | 100,089M | 246 | 2445 | 33 | 17,639N | 170 | 0,000M |
| 245 | 2815 | 32 | 18,199N | 170 | 101,533M | 246 | 2500 | 33 | 18,078N | 170 | 0,000M |
| 245 | 2830 | 32 | 16,738N | 170 | 102,977M | 246 | 2515 | 33 | 18,517N | 170 | 0,000M |
| 245 | 2845 | 32 | 15,277N | 170 | 104,421M | 246 | 2530 | 33 | 18,956N | 170 | 0,000M |
| 245 | 2900 | 32 | 13,816N | 170 | 105,865M | 246 | 2545 | 33 | 19,395N | 170 | 0,000M |
| 245 | 2915 | 32 | 12,355N | 170 | 107,309M | 246 | 2600 | 33 | 19,834N | 170 | 0,000M |
| 245 | 2930 | 32 | 10,894N | 170 | 108,753M | 246 | 2615 | 33 | 20,273N | 170 | 0,000M |
| 245 | 2945 | 32 | 9,433N | 170 | 110,197M | 246 | 2630 | 33 | 20,712N | 170 | 0,000M |
| 245 | 3000 | 32 | 7,972N | 170 | 111,641M | 246 | 2645 | 33 | 21,151N | 170 | 0,000M |
| 245 | 3015 | 32 | 6,511N | 170 | 113,085M | 246 | 2700 | 32 | 21,590N | 169 | 38,908M |
| 245 | 3030 | 32 | 5,050N | 170 | 114,529M | 246 | 2715 | 32 | 22,029N | 169 | 38,908M |
| 245 | 3045 | 32 | 3,589N | 170 | 115,973M | 246 | 2730 | 32 | 22,468N | 169 | 38,908M |
| 245 | 3100 | 32 | 2,128N | 170 | 117,417M | 246 | 2745 | 32 | 22,907N | 169 | 38,908M |
| 245 | 3115 | 32 | 6,422N | 170 | 118,861M | 246 | 2800 | 32 | 23,346N | 169 | 38,908M |
| 245 | 3130 | 32 | 5,602N | 170 | 120,305M | 246 | 2815 | 32 | 23,785N | 169 | 38,908M |
| 245 | 3145 | 32 | 4,482N | 170 | 121,749M | 246 | 2830 | 32 | 24,224N | 169 | 38,908M |
| 245 | 3200 | 32 | 3,442N | 170 | 123,193M | 246 | 2845 | 32 | 24,663N | 169 | 38,908M |
| 245 | 3215 | 32 | 2,409N | 170 | 124,637M | 246 | 2900 | 32 | 25,102N | 169 | 38,908M |
| 245 | 3230 | 32 | 1,431N | 170 | 126,081M | 246 | 2915 | 32 | 25,541N | 169 | 38,908M |
| 245 | 3245 | 32 | 0,523N | 170 | 127,525M | 246 | 2930 | 32 | 25,980N | 169 | 38,908M |
| 245 | 3300 | 32 | 58,552N | 170 | 128,969M | 246 | 2945 | 32 | 26,419N | 169 | 38,908M |
| 245 | 3315 | 32 | 58,574N | 170 | 130,413M | 246 | 3000 | 32 | 26,858N | 169 | 38,908M |
| 245 | 3330 | 32 | 57,553N | 170 | 131,857M | 246 | 3015 | 32 | 27,297N | 169 | 38,908M |
| 245 | 3345 | 32 | 56,664N | 170 | 133,301M | 246 | 3030 | 32 | 27,736N | 169 | 38,908M |
| 245 | 3400 | 32 | 55,847N | 170 | 134,745M | 246 | 3045 | 32 | 28,175N | 169 | 38,908M |
| 245 | 3415 | 32 | 55,172N | 170 | 136,189M | 246 | 3100 | 32 | 28,614N | 169 | 38,908M |
| 245 | 3430 | 32 | 54,068N | 170 | 137,633M | 246 | 3115 | 32 | 29,053N | 169 | 38,908M |
| 245 | 3445 | 32 | 53,000N | 170 | 139,077M | 246 | 3130 | 32 | 29,492N | 169 | 38,908M |
| 245 | 3500 | 32 | 51,945N | 170 | 140,521M | 246 | 3145 | 32 | 29,931N | 169 | 38,908M |
| 245 | 3515 | 32 | 50,987N | 170 | 141,965M | 246 | 3200 | 32 | 30,370N | 169 | 38,908M |
| 245 | 3530 | 32 | 49,602N | 170 | 143,409M | 246 | 3215 | 32 | 30,809N | 169 | 38,908M |
| 245 | 3545 | 32 | 48,988N | 170 | 144,853M | 246 | 3230 | 32 | 31,248N | 169 | 38,908M |
| 245 | 3600 | 32 | 48,062N | 170 | 146,297M | 246 | 3245 | 32 | 31,687N | 169 | 38,908M |
| 245 | 3615 | 32 | 46,991N | 170 | 147,741M | 246 | 3300 | 32 | 32,126N | 169 | 38,908M |
| 245 | 3630 | 32 | 45,997N | 170 | 149,185M | 246 | 3315 | 32 | 32,565N | 169 | 38,908M |
| 245 | 3645 | 32 | 45,012N | 170 | 150,629M | 246 | 3330 | 32 | 33,004N | 169 | 38,908M |
| 245 | 3700 | 32 | 44,056N | 170 | 152,073M | 246 | 3345 | 32 | 33,443N | 169 | 38,908M |
| 245 | 3715 | 32 | 42,964N | 170 | 153,517M | 246 | 3400 | 32 | 33,882N | 169 | 38,908M |
| 245 | 3730 | 32 | 41,887N | 170 | 154,961M | 246 | 3415 | 32 | 34,321N | 169 | 38,908M |
| 245 | 3745 | 32 | 40,852N | 170 | 156,405M | 246 | 3430 | 32 | 34,760N | 169 | 38,908M |
| 245 | 3800 | | | | | | | | | | |

| DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE | DAY | TIME | LATITUDE | LONGITUDE |
|-----|------|------------|-------------|-----|------|------------|-------------|-----|------|------------|-------------|
| 247 | 1150 | 34 22.537N | 167 45.665W | 248 | 45 | 35 14.546N | 166 19.152W | 248 | 1445 | 36 10.202N | 164 38.447W |
| 247 | 1155 | 34 23.551N | 167 47.978W | 248 | 100 | 35 15.678N | 166 17.319W | 248 | 1500 | 36 11.110N | 164 36.678W |
| 247 | 1200 | 34 24.818N | 167 46.192W | 248 | 115 | 35 16.733N | 166 15.490W | 248 | 1515 | 36 12.078N | 164 34.915W |
| 247 | 1215 | 34 25.879N | 167 44.406W | 248 | 130 | 35 17.791N | 166 13.713W | 248 | 1530 | 36 12.822N | 164 33.228W |
| 247 | 1230 | 34 26.962N | 167 42.595W | 248 | 145 | 35 18.846N | 166 11.877W | 248 | 1545 | 36 13.585N | 164 31.457W |
| 247 | 1245 | 34 27.975N | 167 40.843W | 248 | 200 | 35 19.901N | 166 10.037W | 248 | 1600 | 36 14.243N | 164 29.780W |
| 247 | 1300 | 34 28.940N | 167 35.067W | 248 | 215 | 35 20.903N | 166 8.181W | 248 | 1615 | 36 14.990N | 164 28.114W |
| 247 | 1315 | 34 29.835N | 167 37.317W | 248 | 230 | 35 22.005N | 166 6.265W | 248 | 1630 | 36 18.979N | 164 23.173W |
| 247 | 1330 | 34 30.659N | 167 35.566W | 248 | 245 | 35 23.014N | 166 4.540W | 248 | 1645 | 36 21.491N | 164 20.714W |
| 247 | 1345 | 34 31.255N | 167 32.852W | 248 | 300 | 35 24.021N | 166 2.756W | 248 | 1700 | 36 20.742N | 164 18.942W |
| 247 | 1400 | 34 31.789N | 167 32.220W | 248 | 315 | 35 25.004N | 166 1.017W | 248 | 1715 | 36 21.387N | 164 17.158W |
| 247 | 1415 | 34 32.329N | 167 30.471W | 248 | 330 | 35 25.985N | 165 59.248W | 248 | 1730 | 36 22.192N | 164 15.251W |
| 247 | 1430 | 34 33.007N | 167 28.690W | 248 | 345 | 35 26.810N | 165 57.492W | 248 | 1745 | 36 23.520N | 164 12.811W |
| 247 | 1445 | 34 33.821N | 167 26.981W | 248 | 400 | 35 27.634N | 165 55.734W | 248 | 1800 | 36 23.718N | 164 11.473W |
| 247 | 1500 | 34 34.819N | 167 25.335W | 248 | 415 | 35 28.458N | 165 53.973W | 248 | 1815 | 36 24.381N | 164 9.624W |
| 247 | 1515 | 34 35.794N | 167 23.651W | 248 | 430 | 35 29.155N | 165 52.288W | 248 | 1830 | 36 25.012N | 164 7.769W |
| 247 | 1530 | 34 36.978N | 167 21.984W | 248 | 445 | 35 29.904N | 165 50.614W | 248 | 1845 | 36 25.876N | 164 5.854W |
| 247 | 1545 | 34 38.209N | 167 20.405W | 248 | 500 | 35 30.637N | 165 49.097W | 248 | 1900 | 36 27.007N | 164 3.910W |
| 247 | 1600 | 34 39.300N | 167 18.805W | 248 | 645 | 35 37.389N | 165 36.158W | 248 | 1915 | 36 28.474N | 164 1.772W |
| 247 | 1615 | 34 42.118N | 167 16.241W | 248 | 700 | 35 38.512N | 165 34.186W | 248 | 1930 | 36 26.237N | 164 2.596W |
| 247 | 1630 | 34 44.210N | 167 12.550W | 248 | 715 | 35 39.605N | 165 32.505W | 248 | 1945 | 36 27.229N | 164 0.546W |
| 247 | 1645 | 34 41.187N | 167 12.582W | 248 | 735 | 35 40.662N | 165 30.703W | 248 | 2000 | 36 27.820N | 163 58.646W |
| 247 | 1700 | 34 43.118N | 167 11.535W | 248 | 745 | 35 41.777N | 165 28.937W | 248 | 2015 | 36 28.471N | 163 56.751W |
| 247 | 1715 | 34 43.138N | 167 9.651W | 248 | 800 | 35 42.890N | 165 27.139W | 248 | 2030 | 36 29.121N | 163 54.854W |
| 247 | 1730 | 34 44.200N | 167 8.134W | 248 | 815 | 35 44.272N | 165 25.310W | 248 | 2045 | 36 29.753N | 163 53.037W |
| 247 | 1745 | 34 45.286N | 167 6.488W | 248 | 830 | 35 45.402N | 165 23.672W | 248 | 2100 | 36 30.389N | 163 51.247W |
| 247 | 1800 | 34 46.395N | 167 4.741W | 248 | 906 | 35 48.350N | 165 19.807W | 248 | 2115 | 36 31.019N | 163 49.425W |
| 247 | 1815 | 34 47.410N | 167 3.115W | 248 | 915 | 35 48.635N | 165 18.761W | 248 | 2130 | 36 31.648N | 163 47.601W |
| 247 | 1830 | 34 48.448N | 167 1.476W | 248 | 930 | 35 49.219N | 165 16.835W | 248 | 2145 | 36 32.300N | 163 45.920W |
| 247 | 1845 | 34 49.438N | 166 56.865W | 248 | 945 | 35 50.329N | 165 15.232W | 248 | 2200 | 36 33.068N | 163 44.190W |
| 247 | 1900 | 34 50.502N | 166 56.415W | 248 | 1000 | 35 51.229N | 165 13.445W | 248 | 2215 | 36 33.757N | 163 42.364W |
| 247 | 1915 | 34 52.362N | 166 56.775W | 248 | 1015 | 35 52.925N | 165 11.863W | 248 | 2230 | 36 34.389N | 163 40.559W |
| 247 | 1930 | 34 53.594N | 166 55.076W | 248 | 1030 | 35 54.425N | 165 10.211W | 248 | 2245 | 36 35.109N | 163 38.730W |
| 247 | 1945 | 34 54.657N | 166 52.344W | 248 | 1045 | 35 55.758N | 165 8.272W | 248 | 2300 | 36 35.831N | 163 37.101W |
| 247 | 2000 | 34 55.527N | 166 51.210W | 248 | 1100 | 35 57.160N | 165 6.424W | 248 | 2315 | 36 36.696N | 163 35.395W |
| 247 | 2015 | 34 56.443N | 166 49.581W | 248 | 1115 | 35 58.652N | 165 4.615W | 248 | 2330 | 36 37.503N | 163 33.709W |
| 247 | 2030 | 34 57.285N | 166 48.281W | 248 | 1130 | 35 59.897N | 165 2.839W | 248 | 2345 | 36 38.369N | 163 31.997W |
| 247 | 2145 | 35 1.896N | 166 35.565W | 248 | 1145 | 36 1.020N | 165 0.952W | 249 | 0 | 36 39.176N | 163 30.305W |
| 247 | 2200 | 35 2.787N | 166 35.003W | 248 | 1200 | 36 1.915N | 164 59.050W | 249 | 15 | 36 40.138N | 163 28.594W |
| 247 | 2215 | 35 3.646N | 166 34.211W | 248 | 1215 | 36 2.739N | 164 57.271W | 249 | 30 | 36 41.245N | 163 26.804W |
| 247 | 2230 | 35 4.704N | 166 34.473W | 248 | 1230 | 36 3.565N | 164 55.517W | 249 | 45 | 36 42.337N | 163 25.096W |
| 247 | 2245 | 35 5.763N | 166 32.787W | 248 | 1245 | 36 4.372N | 164 53.590W | 249 | 100 | 36 43.489N | 163 23.359W |
| 247 | 2300 | 35 6.677N | 166 31.190W | 248 | 1300 | 36 5.029N | 164 51.607W | 249 | 115 | 36 44.583N | 163 21.642W |
| 247 | 2315 | 35 7.830N | 166 25.335W | 248 | 1315 | 36 5.596N | 164 49.606W | 249 | 130 | 36 45.706N | 163 19.894W |
| 247 | 2330 | 35 8.935N | 166 27.517W | 248 | 1330 | 36 6.331N | 164 47.575W | 249 | 145 | 36 46.727N | 163 18.106W |
| 247 | 2345 | 35 10.024N | 166 25.906W | 248 | 1345 | 36 6.996N | 164 45.698W | 249 | 200 | 36 47.799N | 163 16.230W |
| 248 | 0 | 35 11.137N | 166 24.272W | 248 | 1400 | 36 7.863N | 164 43.823W | 249 | 215 | 36 48.801N | 163 14.490W |
| 248 | 15 | 35 12.248N | 166 22.580W | 248 | 1415 | 36 8.618N | 164 41.963W | 249 | 230 | 36 49.956N | 163 12.523W |
| 248 | 30 | 35 13.411N | 166 20.899W | 248 | 1430 | 36 9.523N | 164 40.192W | 249 | 245 | 36 51.080N | 163 10.724W |

LAY TIME LATITUDE LONGITUDE
245 300 36 52.500N 163 8.763W
245 315 36 53.851N 163 6.763W
245 320 36 55.189N 163 4.844W

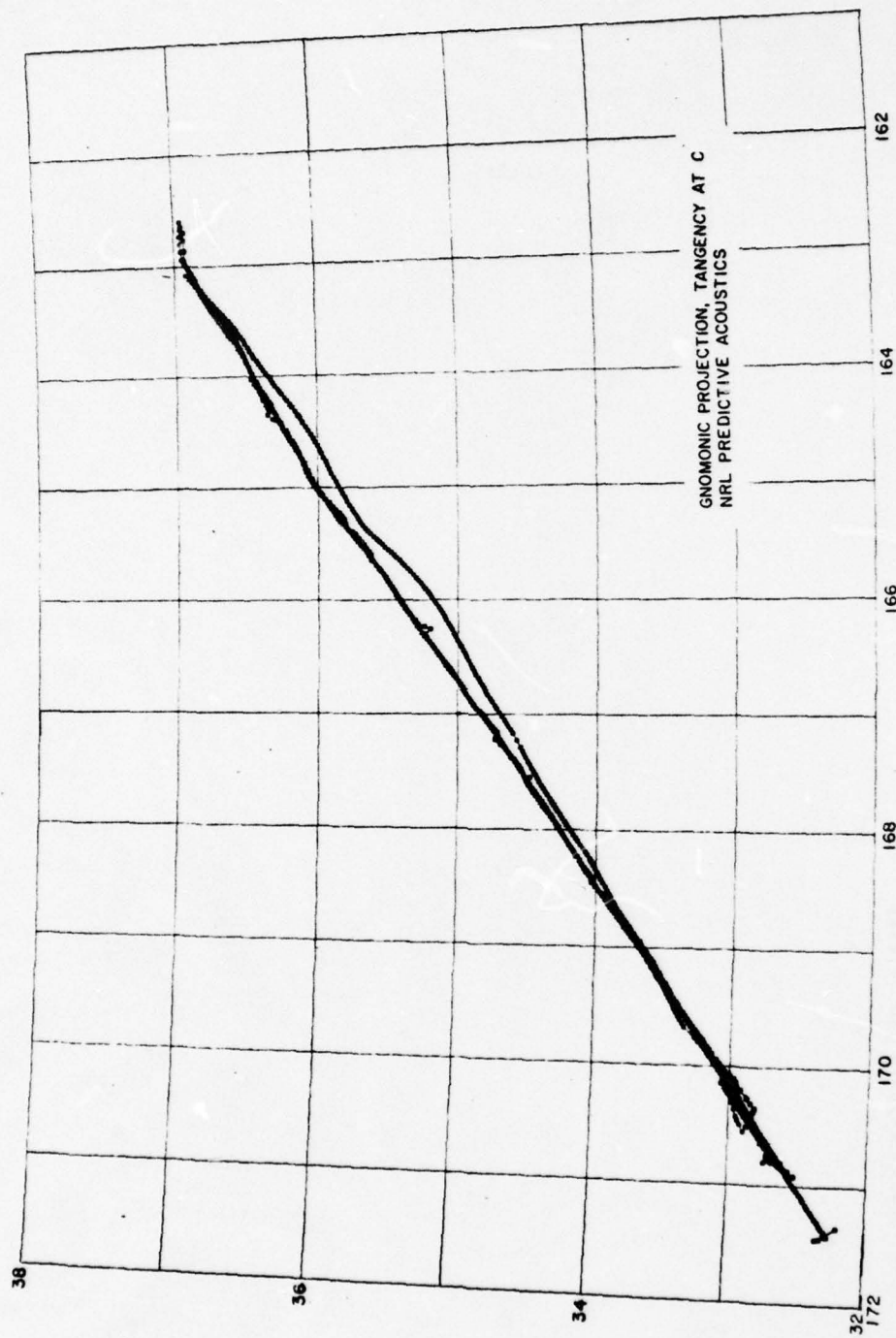


Fig. A2 — Navigation from Collins SPN 38 Loran C receiver

APPENDIX B

This appendix contains sea and weather data recorded by ship's personnel on the bridge.

SEA AND WEATHER DATA

DATE.....JULIAN DAY
TIME.....GMTWIND.....DIR(OT) SPEED(KTS)
SEA.....DIR(OT) HEIGHT(FT)
SWELL.....DIR(OT) HEIGHT(FT)LTAIRS.....LIGHT AIRS
RPL.....RIPPLE
CNF.....CONFUSED

| DAY | TIME | WIND | SEA | SWELL | DAY | TIME | WIND | SEA | SWELL |
|-----|------|------------|-------|-------|-----|------|--------------|---------|-------|
| 237 | 500 | 130 5 RPL | 120 3 | 150 3 | 240 | 1700 | 270 3 RPL | CNF | 4 |
| 237 | 600 | LTAIRS RPL | 120 3 | CNF | 240 | 1800 | LTAIRS RPL | CNF | 3 |
| 237 | 700 | LTAIRS RPL | 120 3 | CNF | 240 | 1900 | LTAIRS RPL | CNF | 3 |
| 237 | 800 | 60 1 RPL | 120 3 | CNF | 240 | 2000 | LTAIRS RPL | CNF | 3 |
| 237 | 900 | 60 10 RPL | 120 3 | CNF | 240 | 2100 | 280 5 RPL | 1 340 5 | |
| 237 | 1000 | 85 7 RPL | 120 3 | CNF | 240 | 2200 | 280 5 RPL | 1 340 5 | |
| 237 | 1100 | 90 7 RPL | 120 3 | 310 4 | 240 | 2300 | 280 6 RPL | 1 340 5 | |
| 237 | 1200 | 90 1 RPL | 120 3 | 310 4 | 241 | 000 | 280 6 RPL | 1 340 5 | |
| 237 | 1300 | 90 12 RPL | 120 3 | 310 4 | 241 | 100 | 280 6 RPL | 1 340 5 | |
| 237 | 1400 | 90 12 RPL | 120 3 | 310 4 | 241 | 200 | 280 8 RPL | 1 350 7 | |
| 237 | 1500 | 90 12 RPL | 120 3 | 310 4 | 241 | 300 | 280 8 RPL | 1 350 7 | |
| 237 | 1600 | LTAIRS RPL | 110 3 | 310 4 | 241 | 400 | 310 6 RPL | CNF | 5 |
| 237 | 1700 | LTAIRS RPL | 100 3 | 310 4 | 241 | 500 | 310 6 RPL | CNF | 5 |
| 237 | 1800 | LTAIRS RPL | 100 3 | 310 4 | 241 | 600 | 310 6 RPL | CNF | 5 |
| 237 | 1900 | 130 2 RPL | 100 3 | 310 4 | 241 | 700 | 310 10 4 RPL | CNF | 5 |
| 237 | 2000 | 100 7 RPL | 100 3 | 310 4 | 241 | 800 | 310 10 5 RPL | CNF | 5 |
| 237 | 2100 | 100 7 RPL | 100 3 | 310 4 | 241 | 900 | LTAIRS RPL | CNF | 5 |
| 237 | 2200 | 130 5 RPL | 110 3 | 310 4 | 241 | 1000 | LTAIRS RPL | CNF | 5 |
| 237 | 2300 | 160 7 RPL | 110 3 | 310 4 | 241 | 1100 | LTAIRS RPL | CNF | 5 |
| 238 | 000 | 160 10 RPL | 110 3 | 310 4 | 241 | 1200 | LTAIRS RPL | 350 6 | |
| 238 | 100 | 160 10 RPL | 110 3 | 310 4 | 241 | 1300 | LTAIRS RPL | 350 6 | |
| 238 | 200 | 160 10 RPL | 110 3 | 310 4 | 241 | 1400 | LTAIRS RPL | 350 6 | |
| 238 | 300 | 160 10 RPL | 110 3 | 310 4 | 241 | 1500 | LTAIRS RPL | 350 6 | |
| 238 | 400 | LTAIRS RPL | 110 3 | 310 4 | 241 | 1600 | LTAIRS RPL | CNF | 4 |
| 238 | 500 | LTAIRS RPL | 110 3 | 310 4 | 241 | 1700 | LTAIRS RPL | CNF | 4 |
| 238 | 600 | LTAIRS RPL | 110 3 | 310 4 | 241 | 1800 | LTAIRS RPL | CNF | 4 |
| 238 | 700 | LTAIRS RPL | 110 3 | 310 4 | 241 | 1900 | LTAIRS RPL | CNF | 4 |
| 238 | 800 | LTAIRS RPL | 110 3 | 310 4 | 241 | 2000 | LTAIRS RPL | 000 3 | |
| 238 | 900 | LTAIRS RPL | 110 3 | 310 4 | 241 | 2100 | LTAIRS RPL | 000 3 | |
| 238 | 1000 | LTAIRS RPL | 110 3 | 310 4 | 241 | 2200 | LTAIRS RPL | 000 3 | |
| 238 | 1100 | LTAIRS RPL | 130 3 | 310 5 | 241 | 2300 | LTAIRS RPL | 000 3 | |
| 238 | 1200 | LTAIRS RPL | 130 3 | 310 5 | 242 | 000 | LTAIRS RPL | 360 4 | |
| 238 | 1300 | LTAIRS RPL | 130 3 | 310 5 | 242 | 100 | LTAIRS RPL | 360 4 | |
| 238 | 1400 | LTAIRS RPL | 130 3 | 310 5 | 242 | 200 | LTAIRS RPL | 360 4 | |
| 238 | 1500 | LTAIRS RPL | 130 3 | 310 5 | 242 | 300 | LTAIRS RPL | CNF | 4 |
| 238 | 1600 | LTAIRS RPL | 130 3 | 310 5 | 242 | 400 | LTAIRS RPL | CNF | 4 |
| 238 | 1700 | 210 6 RPL | 150 3 | 310 5 | 242 | 500 | LTAIRS RPL | CNF | 4 |
| 238 | 1800 | 200 6 RPL | 150 3 | 310 5 | 242 | 600 | LTAIRS RPL | CNF | 4 |
| 238 | 1900 | 200 6 RPL | 150 3 | 310 5 | 242 | 700 | LTAIRS RPL | CNF | 4 |
| 238 | 2000 | 210 7 RPL | 150 3 | 310 5 | 242 | 800 | 40 1 RPL | CNF | 4 |
| 238 | 2100 | 210 8 RPL | 150 3 | 310 5 | 242 | 900 | 50 8 RPL | CNF | 4 |
| 238 | 2200 | 210 7 RPL | 150 3 | 310 5 | 242 | 1000 | 50 6 RPL | CNF | 4 |

| DAY TIME | WIND | SFA | SWELL | DAY TIME | WIND | SFA | SWELL | DAY TIME | WIND | SEA | SWELL |
|-----------|------------|-------|-------|-----------|------------|-------|-------|-----------|------------|-------|-------|
| 242 1100 | 50 6 RPL | CNF | 4 | 244 1200 | 130 10 130 | 1 130 | 3 | 246 1300 | 140 14 140 | 2 140 | 4 |
| 242 1200 | 70 8 RPL | 70 | 4 | 244 1300 | 130 10 130 | 1 130 | 3 | 246 1400 | 140 14 140 | 2 140 | 4 |
| 242 1300 | 70 8 RPL | 70 | 4 | 244 1400 | 130 10 130 | 1 130 | 3 | 246 1500 | 140 14 140 | 2 140 | 4 |
| 242 1400 | 70 8 RPL | 70 | 4 | 244 1500 | 130 10 130 | 1 130 | 3 | 246 1600 | 130 10 140 | 1 140 | 4 |
| 242 1500 | 50 10 RPL | 70 | 4 | 244 1600 | 120 10 120 | 1 150 | 3 | 246 1700 | 120 10 140 | 1 140 | 4 |
| 242 1600 | 70 10 RPL | CNF | 4 | 244 1700 | 120 10 120 | 1 150 | 4 | 246 1800 | 140 8 140 | 1 140 | 4 |
| 242 1700 | 100 10 100 | 1 CNF | 4 | 244 1800 | 130 12 140 | 1 150 | 4 | 246 1900 | 140 8 140 | 1 140 | 4 |
| 242 1800 | 100 10 100 | 1 CNF | 4 | 244 1900 | 140 14 140 | 2 150 | 4 | 246 2000 | 120 12 120 | 1 120 | 4 |
| 242 1900 | 100 8 RPL | 1 CNF | 4 | 244 2000 | 120 10 140 | 2 150 | 4 | 246 2100 | 120 12 120 | 1 120 | 4 |
| 242 2000 | 90 10 90 | 1 CNF | 4 | 244 2100 | 100 10 120 | 2 150 | 4 | 246 2200 | 120 12 120 | 1 120 | 4 |
| 242 2100 | 90 12 90 | 1 CNF | 4 | 244 2200 | 100 10 120 | 2 150 | 4 | 246 2300 | 120 12 120 | 1 120 | 4 |
| 242 2200 | 90 11 90 | 1 CNF | 4 | 244 2300 | 100 10 120 | 2 150 | 4 | 247 0000 | 120 12 120 | 1 120 | 4 |
| 242 2300 | 90 10 90 | 1 CNF | 4 | 245 0000 | 100 12 120 | 3 150 | 4 | 247 1000 | 120 12 120 | 1 120 | 4 |
| 243 0000 | 90 10 90 | 1 50 | 4 | 245 1000 | 100 12 120 | 3 150 | 4 | 247 2000 | 120 12 120 | 1 120 | 4 |
| 243 1000 | 90 10 90 | 1 50 | 4 | 245 2000 | 100 12 120 | 3 150 | 4 | 247 3000 | 120 10 120 | 1 120 | 4 |
| 243 2000 | 50 10 50 | 1 130 | 4 | 245 3000 | 100 12 120 | 3 150 | 4 | 247 4000 | 120 8 120 | 1 120 | 4 |
| 243 3000 | 50 10 50 | 1 130 | 4 | 245 4000 | 110 12 120 | 3 140 | 4 | 247 5000 | 120 8 120 | 1 120 | 4 |
| 243 4000 | 50 10 50 | 1 130 | 4 | 245 5000 | 120 12 120 | 3 140 | 4 | 247 6000 | 120 8 120 | 1 120 | 4 |
| 243 5000 | 80 10 80 | 1 CNF | 4 | 245 6000 | 120 12 120 | 3 140 | 4 | 247 7000 | 120 8 120 | 1 120 | 4 |
| 243 6000 | 80 10 80 | 1 CNF | 4 | 245 7000 | LTAIRS RPL | CNF | 4 | 247 8000 | 130 10 130 | 1 120 | 4 |
| 243 7000 | 80 10 80 | 1 CNF | 4 | 245 8000 | 100 10 120 | 3 140 | 4 | 247 9000 | 140 10 130 | 1 130 | 4 |
| 243 8000 | 80 10 80 | 1 CNF | 4 | 245 9000 | 100 10 120 | 3 140 | 4 | 247 10000 | 140 10 130 | 1 130 | 4 |
| 243 9000 | 80 10 80 | 1 CNF | 4 | 245 10000 | 100 10 120 | 3 140 | 4 | 247 11000 | 140 10 130 | 1 130 | 4 |
| 243 10000 | 90 10 90 | 1 CNF | 4 | 245 11000 | 100 10 120 | 3 140 | 4 | 247 12000 | 140 10 120 | 1 130 | 3 |
| 243 11000 | 90 10 90 | 1 CNF | 4 | 245 12000 | 100 10 120 | 3 140 | 4 | 247 13000 | 140 10 120 | 1 130 | 3 |
| 243 12000 | 90 10 90 | 1 130 | 4 | 245 13000 | 150 16 160 | 3 140 | 5 | 247 14000 | 140 10 120 | 1 130 | 3 |
| 243 13000 | 90 10 90 | 1 130 | 4 | 245 14000 | 150 16 160 | 3 140 | 5 | 247 15000 | 140 10 120 | 1 130 | 3 |
| 243 14000 | 90 10 90 | 1 130 | 4 | 245 15000 | 150 20 160 | 3 140 | 5 | 247 16000 | 140 4 140 | 1 120 | 3 |
| 243 15000 | LTAIRS 90 | 1 130 | 3 | 245 16000 | 150 20 160 | 2 140 | 5 | 247 17000 | 140 8 140 | 1 120 | 4 |
| 243 16000 | LTAIRS RPL | 130 | 3 | 245 17000 | 140 12 140 | 2 140 | 5 | 247 18000 | 140 8 140 | 1 110 | 4 |
| 243 17000 | LTAIRS RPL | 140 | 3 | 245 18000 | 140 10 140 | 2 140 | 5 | 247 19000 | 140 8 140 | 1 110 | 4 |
| 243 18000 | LTAIRS RPL | 140 | 3 | 245 19000 | 140 10 140 | 2 140 | 5 | 247 20000 | 140 8 140 | 1 110 | 4 |
| 243 19000 | LTAIRS RPL | 140 | 3 | 245 20000 | 150 14 140 | 2 140 | 5 | 247 21000 | 140 8 140 | 1 110 | 4 |
| 243 20000 | LTAIRS RPL | 140 | 3 | 245 21000 | 150 14 140 | 2 140 | 5 | 247 22000 | 140 8 140 | 1 110 | 4 |
| 243 21000 | LTAIRS RPL | 140 | 3 | 245 22000 | 150 14 140 | 2 140 | 5 | 247 23000 | 140 8 140 | 1 110 | 4 |
| 243 22000 | LTAIRS RPL | 140 | 3 | 245 23000 | 150 14 140 | 2 140 | 5 | 248 0000 | 140 8 140 | 1 110 | 4 |
| 243 23000 | LTAIRS RPL | 140 | 3 | 246 0000 | 150 18 130 | 2 130 | 5 | 248 1000 | 140 8 140 | 1 110 | 4 |
| 244 0000 | 150 8 RPL | 150 | 3 | 246 1000 | 130 18 130 | 2 130 | 5 | 248 2000 | 140 10 140 | 1 110 | 4 |
| 244 1000 | 150 8 RPL | 150 | 3 | 246 2000 | 130 18 130 | 2 130 | 5 | 248 3000 | 140 10 140 | 1 110 | 4 |
| 244 2000 | 150 8 RPL | 150 | 3 | 246 3000 | 130 18 130 | 2 130 | 5 | 248 4000 | 140 8 140 | 1 110 | 4 |
| 244 3000 | 150 8 RPL | 150 | 3 | 246 4000 | LTAIRS RPL | CNF | 4 | 248 5000 | 140 6 RPL | CNF | 4 |
| 244 4000 | 130 3 RPL | 130 | 3 | 246 5000 | LTAIRS RPL | CNF | 4 | 248 6000 | LTAIRS RPL | CNF | 4 |
| 244 5000 | LTAIRS RPL | 130 | 3 | 246 6000 | LTAIRS RPL | CNF | 4 | 248 7000 | LTAIRS RPL | CNF | 4 |
| 244 6000 | LTAIRS RPL | 130 | 3 | 246 7000 | LTAIRS RPL | CNF | 4 | 248 8000 | 70 5 RPL | CNF | 4 |
| 244 7000 | LTAIRS RPL | 130 | 3 | 246 8000 | LTAIRS RPL | CNF | 4 | 248 9000 | 70 5 RPL | CNF | 4 |
| 244 8000 | 120 8 RPL | 130 | 3 | 246 9000 | LTAIRS RPL | CNF | 4 | 248 10000 | 130 6 RPL | CNF | 4 |
| 244 9000 | 120 8 RPL | 130 | 3 | 246 10000 | LTAIRS RPL | CNF | 4 | 248 11000 | 90 8 RPL | CNF | 4 |
| 244 10000 | 120 8 RPL | 130 | 3 | 246 11000 | 140 12 140 | 2 140 | 4 | 248 12000 | 90 10 90 | 1 120 | 4 |
| 244 11000 | 130 1 130 | 1 130 | 3 | 246 12000 | 140 14 140 | 2 140 | 4 | 248 13000 | 90 12 90 | 1 120 | 4 |

| DAY | TIME | WIND | SFA | SWELL |
|-----|------|--------|--------|---------|
| 250 | 1500 | 175 | 8 130 | 1 270 4 |
| 250 | 1600 | 200 | 10 200 | 1 CNF 4 |
| 250 | 1700 | 200 | 10 200 | 1 CNF |
| 250 | 1800 | LTAIRS | RPL | CNF |
| 250 | 1900 | LTAIRS | RPL | CNF |
| 250 | 2000 | 200 | 10 200 | 1 CNF 4 |
| 250 | 2100 | 220 | 8 220 | 1 CNF 4 |
| 250 | 2200 | 220 | 8 220 | 1 CNF 4 |
| 250 | 2300 | 230 | 12 230 | 1 CNF 4 |
| 251 | 0 | 230 | 12 230 | 1 130 4 |
| 251 | 100 | 230 | 12 230 | 1 130 4 |
| 251 | 200 | 230 | 12 230 | 1 130 4 |
| 251 | 300 | 230 | 12 230 | 1 130 4 |
| 251 | 400 | 230 | 12 230 | 1 CNF 3 |
| 251 | 500 | 230 | 8 RPL | CNF 3 |
| 251 | 600 | 230 | 6 RPL | 130 3 |
| 251 | 700 | 230 | 6 RPL | 130 3 |

| DAY | TIME | WIND | SFA | SWELL |
|-----|------|--------|-------------|-------|
| 248 | 1400 | 90 12 | 90 1 120 | 4 |
| 248 | 1500 | 90 12 | 90 1 120 | 4 |
| 248 | 1600 | 100 10 | RPL | CNF 4 |
| 248 | 1700 | 120 10 | RPL | CNF 4 |
| 248 | 1800 | 140 10 | RPL | CNF 4 |
| 248 | 1900 | 140 10 | RPL | CNF 4 |
| 248 | 2000 | 130 10 | RPL | CNF 4 |
| 248 | 2100 | 120 8 | 120 1 CNF 4 | |
| 248 | 2200 | 90 8 | 120 1 CNF 4 | |
| 248 | 2300 | 90 8 | 100 1 CNF 4 | |
| 249 | 0 | 90 10 | 90 1 270 4 | |
| 249 | 100 | 90 12 | 90 1 270 4 | |
| 249 | 200 | 90 12 | 90 1 270 4 | |
| 249 | 300 | 90 10 | 90 1 270 4 | |
| 249 | 400 | 110 8 | RPL | 270 4 |
| 249 | 500 | 130 6 | RPL | CNF 3 |
| 249 | 600 | 130 6 | RPL | 140 3 |
| 249 | 700 | 130 8 | RPL | 140 3 |
| 249 | 800 | 100 5 | RPL | 140 3 |
| 249 | 900 | 100 8 | RPL | 140 3 |
| 249 | 1000 | 90 8 | RPL | 140 3 |
| 249 | 1100 | 90 8 | RPL | 140 3 |
| 249 | 1200 | 90 8 | RPL | 140 3 |
| 249 | 1300 | 90 8 | RPL | 140 3 |
| 249 | 1400 | 90 8 | RPL | 140 3 |
| 249 | 1500 | 90 8 | RPL | 140 3 |
| 249 | 1600 | 80 8 | RPL | CNF 4 |
| 249 | 1700 | 60 6 | RPL | 310 4 |
| 249 | 1800 | 60 6 | RPL | 310 4 |
| 249 | 1900 | 50 6 | RPL | 310 4 |
| 249 | 2000 | 90 6 | RPL | 310 4 |
| 249 | 2100 | 90 6 | RPL | 310 4 |
| 249 | 2200 | 90 6 | RPL | 310 4 |
| 249 | 2300 | 90 6 | RPL | 310 4 |
| 250 | 0 | 90 6 | RPL | 270 4 |
| 250 | 100 | 180 10 | RPL | 270 4 |
| 250 | 200 | 180 10 | 180 1 270 4 | |
| 250 | 300 | 180 10 | RPL | 270 4 |
| 250 | 400 | LTAIRS | RPL | CNF 4 |
| 250 | 500 | LTAIRS | RPL | CNF 4 |
| 250 | 600 | 210 4 | RPL | CNF 4 |
| 250 | 700 | 210 4 | RPL | CNF 4 |
| 250 | 800 | 130 6 | RPL | CNF 4 |
| 250 | 900 | 130 8 | 130 1 CNF 4 | |
| 250 | 1000 | 175 8 | 130 1 CNF 4 | |
| 250 | 1100 | 175 8 | 130 1 CNF 4 | |
| 250 | 1200 | 175 8 | 130 1 270 4 | |
| 250 | 1300 | 175 8 | 130 1 270 4 | |
| 250 | 1400 | 175 8 | 130 1 270 4 | |

APPENDIX C

This appendix contains bathymetry as a function of time for an assumed sound speed of 1500 m/s.

BATHYMETRY DATA

DAY,.....JULIAN DAY
TIME,.....GMT
Z,.....DEPTH(M)

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|---|
| 237 | 504 | 4730 | 237 | 1124 | 5208 | 237 | 1405 | 5280 | 237 | 1725 | 5407 | 237 | 2100 | 5490 | | | |
| 237 | 507 | 4995 | 237 | 1126 | 5175 | 237 | 1410 | 5275 | 237 | 1730 | 5405 | 237 | 2105 | 5486 | | | |
| 237 | 509 | 4995 | 237 | 1130 | 5245 | 237 | 1415 | 5300 | 237 | 1735 | 5402 | 237 | 2110 | 5487 | | | |
| 237 | 512 | 4972 | 237 | 1134 | 5245 | 237 | 1417 | 5330 | 237 | 1740 | 5410 | 237 | 2115 | 5487 | | | |
| 237 | 515 | 5080 | 237 | 1136 | 5225 | 237 | 1420 | 5323 | 237 | 1745 | 5408 | 237 | 2120 | 5490 | | | |
| 237 | 517 | 5050 | 237 | 1141 | 5234 | 237 | 1425 | 5314 | 237 | 1750 | 5400 | 237 | 2125 | 5496 | | | |
| 237 | 521 | 5115 | 237 | 1145 | 5238 | 237 | 1430 | 5328 | 237 | 1755 | 5398 | 237 | 2130 | 5488 | | | |
| 237 | 523 | 5100 | 237 | 1150 | 5255 | 237 | 1435 | 5325 | 237 | 1800 | 5392 | 237 | 2135 | 5490 | | | |
| 237 | 525 | 5135 | 237 | 1153 | 5273 | 237 | 1438 | 5283 | 237 | 1805 | 5385 | 237 | 2140 | 5490 | | | |
| 237 | 527 | 5130 | 237 | 1155 | 5208 | 237 | 1440 | 5293 | 237 | 1809 | 5370 | 237 | 2145 | 5495 | | | |
| 237 | 532 | 5220 | 237 | 1159 | 5195 | 237 | 1445 | 5323 | 237 | 1815 | 5375 | 237 | 2150 | 5495 | | | |
| 237 | 537 | 5220 | 237 | 1200 | 5112 | 237 | 1450 | 5320 | 237 | 1820 | 5378 | 237 | 2155 | 5492 | | | |
| 237 | 540 | 5205 | 237 | 1203 | 5150 | 237 | 1455 | 5330 | 237 | 1825 | 5315 | 237 | 2200 | 5490 | | | |
| 237 | 545 | 5250 | 237 | 1205 | 5155 | 237 | 1500 | 5330 | 237 | 1830 | 5310 | 237 | 2205 | 5484 | | | |
| 237 | 550 | 5265 | 237 | 1210 | 5195 | 237 | 1505 | 5324 | 237 | 1835 | 5335 | 237 | 2210 | 5480 | | | |
| 237 | 556 | 5280 | 237 | 1215 | 5208 | 237 | 1510 | 5321 | 237 | 1840 | 5345 | 237 | 2214 | 5470 | | | |
| 237 | 559 | 5285 | 237 | 1219 | 5250 | 237 | 1515 | 5325 | 237 | 1845 | 5310 | 237 | 2215 | 5400 | | | |
| 237 | 605 | 5275 | 237 | 1223 | 5325 | 237 | 1518 | 5335 | 237 | 1850 | 5310 | 237 | 2217 | 5300 | | | |
| 237 | 610 | 5265 | 237 | 1230 | 5324 | 237 | 1520 | 5320 | 237 | 1852 | 5300 | 237 | 2220 | 5170 | | | |
| 237 | 615 | 5255 | 237 | 1232 | 5324 | 237 | 1524 | 5342 | 237 | 1855 | 5292 | 237 | 2222 | 5300 | | | |
| 237 | 620 | 5255 | 237 | 1235 | 5335 | 237 | 1526 | 5335 | 237 | 1900 | 5300 | 237 | 2224 | 5400 | | | |
| 237 | 625 | 5255 | 237 | 1238 | 5268 | 237 | 1530 | 5342 | 237 | 1904 | 5282 | 237 | 2227 | 5500 | | | |
| 237 | 630 | 5255 | 237 | 1240 | 5241 | 237 | 1535 | 5340 | 237 | 1911 | 5315 | 237 | 2228 | 5551 | | | |
| 237 | 632 | 5257 | 237 | 1242 | 5300 | 237 | 1540 | 5275 | 237 | 1914 | 5301 | 237 | 2230 | 5465 | | | |
| 237 | 634 | 5250 | 237 | 1245 | 5285 | 237 | 1545 | 5291 | 237 | 1920 | 5330 | 237 | 2233 | 5480 | | | |
| 237 | 640 | 5250 | 237 | 1248 | 5275 | 237 | 1550 | 5240 | 237 | 1925 | 5349 | 237 | 2237 | 5400 | | | |
| 237 | 645 | 5240 | 237 | 1250 | 5266 | 237 | 1555 | 5330 | 237 | 1930 | 5377 | 237 | 2238 | 5300 | | | |
| 237 | 650 | 5255 | 237 | 1252 | 5300 | 237 | 1600 | 5352 | 237 | 1935 | 5375 | 237 | 2241 | 5200 | | | |
| 237 | 655 | 5250 | 237 | 1255 | 5271 | 237 | 1605 | 5358 | 237 | 1940 | 5400 | 237 | 2244 | 5100 | | | |
| 237 | 700 | 5240 | 237 | 1257 | 5267 | 237 | 1610 | 5342 | 237 | 1944 | 5411 | 237 | 2245 | 5000 | | | |
| 237 | 705 | 5235 | 237 | 1300 | 5200 | 237 | 1615 | 5330 | 237 | 1950 | 5440 | 237 | 2245 | 4900 | | | |
| 237 | 710 | 5236 | 237 | 1305 | 4980 | 237 | 1620 | 5341 | 237 | 1955 | 5451 | 237 | 2246 | 4800 | | | |
| 237 | 715 | 5232 | 237 | 1308 | 4985 | 237 | 1625 | 5360 | 237 | 2000 | 5460 | 237 | 2248 | 4700 | | | |
| 237 | 720 | 5231 | 237 | 1313 | 5050 | 237 | 1630 | 5340 | 237 | 2005 | 5460 | 237 | 2248 | 4600 | | | |
| 237 | 725 | 5240 | 237 | 1315 | 5250 | 237 | 1635 | 5380 | 237 | 2010 | 5484 | 237 | 2249 | 4500 | | | |
| 237 | 730 | 5240 | 237 | 1320 | 5362 | 237 | 1640 | 5380 | 237 | 2015 | 5484 | 237 | 2250 | 4400 | | | |
| 237 | 735 | 5232 | 237 | 1325 | 5354 | 237 | 1645 | 5340 | 237 | 2020 | 5495 | 237 | 2251 | 4300 | | | |
| 237 | 740 | 5220 | 237 | 1330 | 5305 | 237 | 1650 | 5380 | 237 | 2025 | 5488 | 237 | 2252 | 4261 | | | |
| 237 | 745 | 5235 | 237 | 1335 | 5292 | 237 | 1655 | 5395 | 237 | 2030 | 5482 | 237 | 2254 | 4300 | | | |
| 237 | 750 | 5232 | 237 | 1340 | 5292 | 237 | 1700 | 5401 | 237 | 2035 | 5490 | 237 | 2257 | 4400 | | | |
| 237 | 752 | 5228 | 237 | 1345 | 5283 | 237 | 1705 | 5415 | 237 | 2040 | 5498 | 237 | 2259 | 4500 | | | |
| 237 | 755 | 5236 | 237 | 1350 | 5285 | 237 | 1710 | 5407 | 237 | 2045 | 5495 | 237 | 2303 | 5250 | | | |
| 237 | 800 | 5227 | 237 | 1352 | 5227 | 237 | 1715 | 5410 | 237 | 2050 | 5491 | 237 | 2306 | 5300 | | | |
| 237 | 805 | 5230 | 237 | 1400 | 5260 | 237 | 1720 | 5417 | 237 | 2155 | 5491 | 237 | 2309 | 5500 | | | |

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 237 | 2317 | 5600 | 238 | 811 | 5530 | 238 | 1135 | 5576 | 238 | 1515 | 5666 | 239 | 1000 | 5727 | 239 | 1417 | 5747 |
| 237 | 2320 | 5625 | 238 | 815 | 5530 | 238 | 1140 | 5614 | 238 | 1520 | 5630 | 239 | 1007 | 5746 | 239 | 1422 | 5766 |
| 237 | 2325 | 5630 | 238 | 820 | 5530 | 238 | 1141 | 5617 | 238 | 1524 | 5577 | 239 | 1010 | 5745 | 239 | 1427 | 5776 |
| 237 | 2330 | 5630 | 238 | 824 | 5482 | 238 | 1147 | 5585 | 238 | 1529 | 5675 | 239 | 1015 | 5691 | 239 | 1437 | 5740 |
| 237 | 2335 | 5632 | 238 | 828 | 5544 | 238 | 1151 | 5626 | 238 | 1533 | 5717 | 239 | 1023 | 5688 | 239 | 1441 | 5740 |
| 237 | 2340 | 5630 | 238 | 830 | 5545 | 238 | 1153 | 5621 | 238 | 1537 | 5755 | 239 | 1032 | 5772 | 239 | 1445 | 5745 |
| 237 | 2345 | 5620 | 238 | 835 | 5538 | 238 | 1159 | 5674 | 239 | 600 | 5726 | 239 | 1036 | 5740 | 239 | 1450 | 5760 |
| 237 | 2350 | 5600 | 238 | 839 | 5510 | 238 | 1203 | 5631 | 239 | 606 | 5751 | 239 | 1040 | 5700 | 239 | 1455 | 5780 |
| 237 | 2355 | 5610 | 238 | 845 | 5538 | 238 | 1206 | 5655 | 239 | 610 | 5733 | 239 | 1049 | 5684 | 239 | 1458 | 5791 |
| 237 | 2357 | 5200 | 238 | 850 | 5536 | 238 | 1210 | 5640 | 239 | 615 | 5730 | 239 | 1054 | 5749 | 239 | 1500 | 5778 |
| 237 | 2359 | 4875 | 238 | 855 | 5538 | 238 | 1215 | 5580 | 239 | 620 | 5717 | 239 | 1100 | 5768 | 239 | 1505 | 5750 |
| 238 | 13 | 5400 | 238 | 900 | 5538 | 238 | 1220 | 5574 | 239 | 625 | 5718 | 239 | 1105 | 5700 | 239 | 1510 | 5780 |
| 238 | 18 | 5500 | 238 | 905 | 5538 | 238 | 1226 | 5551 | 239 | 630 | 5701 | 239 | 1106 | 5682 | 239 | 1512 | 5791 |
| 238 | 25 | 5590 | 238 | 910 | 5535 | 238 | 1230 | 5596 | 239 | 635 | 5722 | 239 | 1114 | 5690 | 239 | 1515 | 5780 |
| 238 | 31 | 5580 | 238 | 915 | 5528 | 238 | 1235 | 5612 | 239 | 640 | 5726 | 239 | 1117 | 5700 | 239 | 1520 | 5775 |
| 238 | 35 | 5567 | 238 | 920 | 5505 | 238 | 1240 | 5602 | 239 | 645 | 5739 | 239 | 1122 | 5760 | 239 | 1524 | 5767 |
| 238 | 40 | 5570 | 238 | 925 | 5528 | 238 | 1245 | 5595 | 239 | 650 | 5754 | 239 | 1128 | 5784 | 239 | 1530 | 5795 |
| 238 | 45 | 5560 | 238 | 930 | 5526 | 238 | 1250 | 5592 | 239 | 655 | 5758 | 239 | 1138 | 5800 | 239 | 1535 | 5763 |
| 238 | 50 | 5578 | 238 | 935 | 5524 | 238 | 1253 | 5599 | 239 | 700 | 5765 | 239 | 1141 | 5821 | 239 | 1541 | 5805 |
| 238 | 55 | 5572 | 238 | 940 | 5516 | 238 | 1300 | 5575 | 239 | 704 | 5775 | 239 | 1145 | 5819 | 239 | 1545 | 5792 |
| 238 | 100 | 5580 | 238 | 943 | 5558 | 238 | 1305 | 5558 | 239 | 708 | 5785 | 239 | 1149 | 5800 | 239 | 1547 | 5803 |
| 238 | 558 | 5200 | 238 | 945 | 5532 | 238 | 1307 | 5580 | 239 | 715 | 5758 | 239 | 1155 | 5741 | 239 | 1550 | 5770 |
| 238 | 600 | 5250 | 238 | 950 | 5555 | 238 | 1310 | 5571 | 239 | 719 | 5773 | 239 | 1201 | 5772 | 239 | 1555 | 5750 |
| 238 | 610 | 5175 | 238 | 955 | 5550 | 238 | 1314 | 5596 | 239 | 724 | 5772 | 239 | 1206 | 5792 | 239 | 1600 | 5745 |
| 238 | 615 | 5340 | 238 | 1000 | 5481 | 238 | 1317 | 5596 | 239 | 730 | 5725 | 239 | 1210 | 5770 | 239 | 1605 | 5741 |
| 238 | 622 | 5450 | 238 | 1002 | 5410 | 238 | 1322 | 5559 | 239 | 735 | 5730 | 239 | 1215 | 5710 | 239 | 1610 | 5750 |
| 238 | 630 | 5572 | 238 | 1005 | 5005 | 238 | 1327 | 5552 | 239 | 742 | 5718 | 239 | 1222 | 5700 | 239 | 1613 | 5730 |
| 238 | 635 | 5582 | 238 | 1008 | 5435 | 238 | 1333 | 5611 | 239 | 750 | 5764 | 239 | 1225 | 5672 | 239 | 1615 | 5725 |
| 238 | 640 | 5585 | 238 | 1010 | 5588 | 238 | 1336 | 5658 | 239 | 758 | 5667 | 239 | 1233 | 5635 | 239 | 1620 | 5824 |
| 238 | 645 | 5580 | 238 | 1014 | 5501 | 238 | 1342 | 5636 | 239 | 805 | 5686 | 239 | 1240 | 5700 | 239 | 1625 | 5880 |
| 238 | 650 | 5576 | 238 | 1015 | 5505 | 238 | 1347 | 5685 | 239 | 809 | 5720 | 239 | 1247 | 5738 | 239 | 1629 | 5860 |
| 238 | 655 | 5570 | 238 | 1020 | 5518 | 238 | 1352 | 5686 | 239 | 813 | 5720 | 239 | 1250 | 5725 | 239 | 1635 | 5882 |
| 238 | 700 | 5555 | 238 | 1025 | 5530 | 238 | 1356 | 5619 | 239 | 821 | 5655 | 239 | 1255 | 5717 | 239 | 1640 | 5895 |
| 238 | 705 | 5570 | 238 | 1030 | 5519 | 238 | 1403 | 5650 | 239 | 825 | 5661 | 239 | 1304 | 5695 | 239 | 1645 | 5872 |
| 238 | 710 | 5570 | 238 | 1035 | 5011 | 238 | 1407 | 5618 | 239 | 832 | 5649 | 239 | 1305 | 5700 | 239 | 1650 | 5850 |
| 238 | 714 | 5552 | 238 | 1040 | 5008 | 238 | 1411 | 5661 | 239 | 838 | 5692 | 239 | 1312 | 5800 | 239 | 1655 | 5800 |
| 238 | 717 | 5572 | 238 | 1045 | 5048 | 238 | 1417 | 5601 | 239 | 845 | 5790 | 239 | 1315 | 5805 | 239 | 1702 | 5795 |
| 238 | 720 | 5580 | 238 | 1050 | 5558 | 238 | 1416 | 5645 | 239 | 847 | 5798 | 239 | 1320 | 5815 | 239 | 1708 | 5825 |
| 238 | 725 | 5560 | 238 | 1051 | 5559 | 238 | 1429 | 5662 | 239 | 853 | 5685 | 239 | 1328 | 5830 | 239 | 1713 | 5900 |
| 238 | 727 | 5550 | 238 | 1055 | 5511 | 238 | 1433 | 5658 | 239 | 859 | 5644 | 239 | 1339 | 5780 | 239 | 1715 | 5910 |
| 238 | 730 | 5555 | 238 | 1100 | 5605 | 238 | 1437 | 5616 | 239 | 905 | 5680 | 239 | 1343 | 5720 | 239 | 1720 | 5930 |
| 238 | 735 | 5574 | 238 | 1103 | 5589 | 238 | 1441 | 5686 | 239 | 910 | 5731 | 239 | 1345 | 5726 | 239 | 1725 | 5860 |
| 238 | 740 | 5555 | 238 | 1106 | 5605 | 238 | 1447 | 5669 | 239 | 917 | 5778 | 239 | 1350 | 5738 | 239 | 1730 | 5750 |
| 238 | 745 | 5552 | 238 | 1112 | 5569 | 238 | 1452 | 5708 | 239 | 922 | 5775 | 239 | 1353 | 5755 | 239 | 1735 | 5760 |
| 238 | 750 | 5572 | 238 | 1115 | 5601 | 238 | 1459 | 5711 | 239 | 928 | 5771 | 239 | 1357 | 5744 | 239 | 1740 | 5765 |
| 238 | 755 | 5560 | 238 | 1120 | 5605 | 238 | 1506 | 5668 | 239 | 936 | 5672 | 239 | 1403 | 5775 | 239 | 1745 | 5780 |
| 238 | 757 | 5540 | 238 | 1128 | 5588 | 238 | 1509 | 5705 | 239 | 943 | 5728 | 239 | 1406 | 5788 | 239 | 1748 | 5790 |
| 238 | 800 | 5556 | 238 | 1128 | 5594 | 238 | 1510 | 5705 | 239 | 951 | 5669 | 239 | 1412 | 5742 | 239 | 1755 | 5750 |
| 238 | 805 | 5560 | 238 | 1133 | 5572 | 238 | 1514 | 5652 | 239 | 955 | 5691 | 239 | 1415 | 5748 | 239 | 1800 | 5745 |

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 235 | 1804 | 5730 | 240 | 1045 | 5895 | 240 | 1450 | 5770 | 240 | 1850 | 5805 | 240 | 2210 | 5788 | 241 | 205 | 5730 |
| 236 | 1810 | 5751 | 240 | 1050 | 5860 | 240 | 1455 | 5835 | 240 | 1855 | 5810 | 240 | 2215 | 5788 | 241 | 210 | 5707 |
| 237 | 1813 | 5762 | 240 | 1055 | 5870 | 240 | 1500 | 5880 | 240 | 1860 | 5820 | 240 | 2220 | 5790 | 241 | 215 | 5700 |
| 238 | 1815 | 5750 | 240 | 1100 | 5895 | 240 | 1505 | 5835 | 240 | 1865 | 5825 | 240 | 2225 | 5806 | 241 | 220 | 5700 |
| 239 | 1818 | 5740 | 240 | 1104 | 5920 | 240 | 1510 | 5808 | 240 | 1869 | 5850 | 240 | 2228 | 5815 | 241 | 225 | 5710 |
| 239 | 1823 | 5770 | 240 | 1110 | 5873 | 240 | 1515 | 5835 | 240 | 1872 | 5838 | 240 | 2229 | 5800 | 241 | 229 | 5721 |
| 239 | 1825 | 5772 | 240 | 1115 | 5878 | 240 | 1520 | 5835 | 240 | 1875 | 5845 | 240 | 2233 | 5737 | 241 | 234 | 5758 |
| 239 | 1830 | 5769 | 240 | 1117 | 5889 | 240 | 1526 | 5860 | 240 | 1880 | 5770 | 240 | 2240 | 5777 | 241 | 240 | 5700 |
| 239 | 1835 | 5739 | 240 | 1125 | 5830 | 240 | 1530 | 5830 | 240 | 1885 | 5781 | 240 | 2245 | 5750 | 241 | 245 | 5761 |
| 239 | 1840 | 5811 | 240 | 1130 | 5860 | 240 | 1535 | 5810 | 240 | 1890 | 5785 | 240 | 2250 | 5740 | 241 | 250 | 5700 |
| 239 | 1845 | 5832 | 240 | 1135 | 5830 | 240 | 1540 | 5821 | 240 | 1895 | 5750 | 240 | 2255 | 5755 | 241 | 255 | 5730 |
| 239 | 1849 | 5844 | 240 | 1140 | 5783 | 240 | 1542 | 5835 | 240 | 1905 | 5725 | 240 | 2300 | 5758 | 241 | 258 | 5738 |
| 239 | 1855 | 5742 | 240 | 1145 | 5800 | 240 | 1545 | 5833 | 240 | 1915 | 5725 | 240 | 2305 | 5708 | 241 | 305 | 5600 |
| 239 | 1900 | 5727 | 240 | 1150 | 5805 | 240 | 1550 | 5860 | 240 | 1920 | 5721 | 240 | 2310 | 5765 | 241 | 311 | 5554 |
| 240 | 800 | 5720 | 240 | 1155 | 5815 | 240 | 1555 | 5872 | 240 | 1925 | 5738 | 240 | 2315 | 5754 | 241 | 315 | 5600 |
| 240 | 803 | 5610 | 240 | 1200 | 5842 | 240 | 1600 | 5905 | 240 | 1935 | 5765 | 240 | 2319 | 5751 | 241 | 320 | 5650 |
| 240 | 810 | 5750 | 240 | 1205 | 5820 | 240 | 1605 | 5910 | 240 | 1940 | 5760 | 240 | 2324 | 5745 | 241 | 322 | 5646 |
| 240 | 815 | 5780 | 240 | 1210 | 5810 | 240 | 1608 | 5915 | 240 | 1944 | 5800 | 240 | 2330 | 5700 | 241 | 325 | 5654 |
| 240 | 820 | 5830 | 240 | 1215 | 5810 | 240 | 1610 | 5885 | 240 | 1950 | 5825 | 240 | 2333 | 5685 | 241 | 330 | 5675 |
| 240 | 825 | 5870 | 240 | 1220 | 5810 | 240 | 1615 | 5840 | 240 | 1955 | 5830 | 240 | 2337 | 5700 | 241 | 337 | 5715 |
| 240 | 830 | 5875 | 240 | 1225 | 5805 | 240 | 1620 | 5838 | 240 | 1955 | 5838 | 240 | 2340 | 5712 | 241 | 340 | 5712 |
| 240 | 835 | 5855 | 240 | 1230 | 5815 | 240 | 1625 | 5820 | 240 | 2005 | 5833 | 240 | 2344 | 5705 | 241 | 345 | 5722 |
| 240 | 840 | 5870 | 240 | 1235 | 5842 | 240 | 1630 | 5810 | 240 | 2010 | 5833 | 240 | 2350 | 5730 | 241 | 350 | 5738 |
| 240 | 845 | 5820 | 240 | 1240 | 5835 | 240 | 1635 | 5825 | 240 | 2015 | 5822 | 240 | 2355 | 5745 | 241 | 355 | 5728 |
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| 240 | 855 | 5772 | 240 | 1255 | 5888 | 240 | 1648 | 5810 | 240 | 2030 | 5770 | 241 | 2358 | 5758 | 241 | 405 | 5600 |
| 240 | 859 | 5772 | 240 | 1300 | 5870 | 240 | 1650 | 5812 | 240 | 2035 | 5715 | 241 | 2358 | 5758 | 241 | 410 | 5530 |
| 240 | 904 | 5800 | 240 | 1305 | 5820 | 240 | 1655 | 5850 | 240 | 2040 | 5690 | 241 | 2358 | 5758 | 241 | 415 | 5600 |
| 240 | 910 | 5840 | 240 | 1310 | 5855 | 240 | 1655 | 5850 | 240 | 2045 | 5670 | 241 | 2358 | 5758 | 241 | 418 | 5701 |
| 240 | 915 | 5900 | 240 | 1315 | 5855 | 240 | 1700 | 5878 | 240 | 2045 | 5670 | 241 | 2358 | 5758 | 241 | 424 | 5615 |
| 240 | 918 | 5911 | 240 | 1315 | 5790 | 240 | 1705 | 5905 | 240 | 2049 | 5688 | 241 | 2358 | 5758 | 241 | 430 | 5695 |
| 240 | 920 | 5890 | 240 | 1325 | 5785 | 240 | 1710 | 5932 | 240 | 2053 | 5678 | 241 | 2358 | 5758 | 241 | 435 | 5722 |
| 240 | 925 | 5830 | 240 | 1330 | 5860 | 240 | 1715 | 5950 | 240 | 2055 | 5678 | 241 | 2358 | 5758 | 241 | 440 | 5721 |
| 240 | 930 | 5850 | 240 | 1335 | 5903 | 240 | 1720 | 5965 | 240 | 2100 | 5710 | 241 | 2358 | 5758 | 241 | 445 | 5707 |
| 240 | 936 | 5872 | 240 | 1340 | 5912 | 240 | 1722 | 5968 | 240 | 2105 | 5740 | 241 | 2358 | 5758 | 241 | 452 | 5735 |
| 240 | 940 | 5822 | 240 | 1345 | 5970 | 240 | 1725 | 5890 | 240 | 2110 | 5745 | 241 | 2358 | 5758 | 241 | 457 | 5734 |
| 240 | 945 | 5855 | 240 | 1350 | 5885 | 240 | 1730 | 5838 | 240 | 2114 | 5700 | 241 | 2358 | 5758 | 241 | 459 | 5700 |
| 240 | 950 | 5815 | 240 | 1355 | 5885 | 240 | 1735 | 5840 | 240 | 2117 | 5638 | 241 | 2358 | 5758 | 241 | 506 | 5638 |
| 240 | 955 | 5805 | 240 | 1400 | 5900 | 240 | 1740 | 5900 | 240 | 2120 | 5690 | 241 | 2358 | 5758 | 241 | 511 | 5684 |
| 240 | 1000 | 5770 | 240 | 1405 | 5920 | 240 | 1745 | 5920 | 240 | 2125 | 5693 | 241 | 2358 | 5758 | 241 | 515 | 5679 |
| 240 | 1002 | 5862 | 240 | 1410 | 5940 | 240 | 1749 | 5915 | 240 | 2130 | 5700 | 241 | 2358 | 5758 | 241 | 520 | 5622 |
| 240 | 1005 | 5850 | 240 | 1415 | 5905 | 240 | 1753 | 5853 | 240 | 2134 | 5710 | 241 | 2358 | 5758 | 241 | 522 | 5634 |
| 240 | 1010 | 5815 | 240 | 1420 | 5885 | 240 | 1757 | 5870 | 240 | 2138 | 5694 | 241 | 2358 | 5758 | 241 | 529 | 5500 |
| 240 | 1015 | 5815 | 240 | 1425 | 5837 | 240 | 1800 | 5830 | 240 | 2141 | 5702 | 241 | 2358 | 5758 | 241 | 534 | 5434 |
| 240 | 1020 | 5812 | 240 | 1430 | 5815 | 240 | 1805 | 5790 | 240 | 2145 | 5705 | 241 | 2358 | 5758 | 241 | 540 | 5606 |
| 240 | 1025 | 5815 | 240 | 1435 | 5810 | 240 | 1810 | 5790 | 240 | 2150 | 5736 | 241 | 2358 | 5758 | 241 | 545 | 5610 |
| 240 | 1030 | 5822 | 240 | 1440 | 5810 | 240 | 1815 | 5790 | 240 | 2155 | 5745 | 241 | 2358 | 5758 | 241 | 550 | 5625 |
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| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 241 | 603 | 5786 | 241 | 949 | 5751 | 241 | 1343 | 5855 | 241 | 1745 | 5810 | 241 | 2143 | 5860 | 242 | 147 | 5680 |
| 241 | 605 | 5794 | 241 | 955 | 5760 | 241 | 1348 | 5832 | 241 | 1750 | 5770 | 241 | 2148 | 5860 | 242 | 150 | 5700 |
| 241 | 610 | 5700 | 241 | 1001 | 5750 | 241 | 1351 | 5845 | 241 | 1755 | 5736 | 241 | 2153 | 5850 | 242 | 155 | 5735 |
| 241 | 615 | 5650 | 241 | 1005 | 5730 | 241 | 1358 | 5800 | 241 | 1800 | 5818 | 241 | 2200 | 5800 | 242 | 200 | 5748 |
| 241 | 620 | 5625 | 241 | 1010 | 5700 | 241 | 1405 | 5750 | 241 | 1805 | 5851 | 241 | 2203 | 5781 | 242 | 205 | 5714 |
| 241 | 624 | 5606 | 241 | 1014 | 5672 | 241 | 1410 | 5750 | 241 | 1810 | 5845 | 241 | 2208 | 5781 | 242 | 210 | 5744 |
| 241 | 630 | 5636 | 241 | 1019 | 5717 | 241 | 1415 | 5741 | 241 | 1815 | 5833 | 241 | 2215 | 5795 | 242 | 215 | 5735 |
| 241 | 635 | 5645 | 241 | 1025 | 5700 | 241 | 1421 | 5800 | 241 | 1820 | 5820 | 241 | 2218 | 5800 | 242 | 219 | 5700 |
| 241 | 641 | 5631 | 241 | 1031 | 5615 | 241 | 1422 | 5818 | 241 | 1825 | 5801 | 241 | 2220 | 5804 | 242 | 221 | 5685 |
| 241 | 645 | 5652 | 241 | 1036 | 5645 | 241 | 1425 | 5768 | 241 | 1830 | 5810 | 241 | 2224 | 5815 | 242 | 225 | 5692 |
| 241 | 651 | 5700 | 241 | 1040 | 5639 | 241 | 1430 | 5770 | 241 | 1835 | 5815 | 241 | 2235 | 5787 | 242 | 227 | 5700 |
| 241 | 654 | 5725 | 241 | 1045 | 5645 | 241 | 1435 | 5783 | 241 | 1840 | 5869 | 241 | 2240 | 5792 | 242 | 230 | 5711 |
| 241 | 659 | 5700 | 241 | 1050 | 5671 | 241 | 1440 | 5786 | 241 | 1844 | 5901 | 241 | 2245 | 5800 | 242 | 235 | 5715 |
| 241 | 702 | 5677 | 241 | 1055 | 5655 | 241 | 1445 | 5817 | 241 | 1845 | 5900 | 241 | 2250 | 5815 | 242 | 240 | 5726 |
| 241 | 705 | 5700 | 241 | 1104 | 5650 | 241 | 1450 | 5819 | 241 | 1850 | 5860 | 241 | 2255 | 5826 | 242 | 245 | 5755 |
| 241 | 710 | 5728 | 241 | 1110 | 5620 | 241 | 1455 | 5825 | 241 | 1854 | 5840 | 241 | 2300 | 5841 | 242 | 250 | 5780 |
| 241 | 715 | 5748 | 241 | 1115 | 5630 | 241 | 1500 | 5831 | 241 | 1900 | 5880 | 241 | 2304 | 5858 | 242 | 255 | 5783 |
| 241 | 720 | 5751 | 241 | 1120 | 5622 | 241 | 1505 | 5835 | 241 | 1904 | 5965 | 241 | 2308 | 5855 | 242 | 258 | 5700 |
| 241 | 725 | 5735 | 241 | 1125 | 5585 | 241 | 1510 | 5810 | 241 | 1909 | 5900 | 241 | 2312 | 5868 | 242 | 306 | 5620 |
| 241 | 729 | 5715 | 241 | 1128 | 5600 | 241 | 1515 | 5805 | 241 | 1917 | 5868 | 241 | 2318 | 5800 | 242 | 313 | 5700 |
| 241 | 735 | 5741 | 241 | 1135 | 5645 | 241 | 1520 | 5825 | 241 | 1922 | 5886 | 241 | 2321 | 5750 | 242 | 315 | 5732 |
| 241 | 740 | 5751 | 241 | 1136 | 5638 | 241 | 1525 | 5840 | 241 | 1928 | 5844 | 241 | 2325 | 5717 | 242 | 320 | 5728 |
| 241 | 745 | 5750 | 241 | 1141 | 5640 | 241 | 1533 | 5848 | 241 | 1937 | 5770 | 241 | 2328 | 5729 | 242 | 325 | 5730 |
| 241 | 750 | 5762 | 241 | 1146 | 5684 | 241 | 1535 | 5857 | 241 | 1942 | 5815 | 241 | 2334 | 5705 | 242 | 327 | 5722 |
| 241 | 754 | 5766 | 241 | 1151 | 5670 | 241 | 1540 | 5875 | 241 | 1945 | 5825 | 241 | 2340 | 5725 | 242 | 330 | 5750 |
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| 241 | 800 | 5682 | 241 | 1207 | 5690 | 241 | 1550 | 5800 | 241 | 1955 | 5862 | 241 | 2350 | 5760 | 242 | 340 | 5785 |
| 241 | 805 | 5725 | 241 | 1215 | 5624 | 241 | 1555 | 5850 | 241 | 2000 | 5840 | 241 | 2355 | 5795 | 242 | 346 | 5739 |
| 241 | 810 | 5765 | 241 | 1218 | 5622 | 241 | 1600 | 5892 | 241 | 2008 | 5900 | 241 | 2359 | 5786 | 242 | 351 | 5761 |
| 241 | 815 | 5771 | 241 | 1220 | 5628 | 241 | 1605 | 5708 | 241 | 2011 | 5922 | 242 | 6 | 5750 | 242 | 354 | 5744 |
| 241 | 820 | 5736 | 241 | 1225 | 5700 | 241 | 1610 | 5890 | 241 | 2013 | 5900 | 242 | 12 | 5719 | 242 | 359 | 5800 |
| 241 | 823 | 5700 | 241 | 1230 | 5738 | 241 | 1615 | 5879 | 241 | 2023 | 5850 | 242 | 15 | 5720 | 242 | 405 | 5874 |
| 241 | 827 | 5680 | 241 | 1233 | 5708 | 241 | 1620 | 5820 | 241 | 2030 | 5890 | 242 | 20 | 5735 | 242 | 419 | 5900 |
| 241 | 830 | 5700 | 241 | 1244 | 5532 | 241 | 1625 | 5890 | 241 | 2035 | 5885 | 242 | 24 | 5755 | 242 | 415 | 5760 |
| 241 | 833 | 5734 | 241 | 1242 | 5530 | 241 | 1630 | 5898 | 241 | 2039 | 5900 | 242 | 30 | 5700 | 242 | 420 | 5760 |
| 241 | 840 | 5727 | 241 | 1245 | 5738 | 241 | 1635 | 5894 | 241 | 2041 | 5915 | 242 | 44 | 5650 | 242 | 425 | 5764 |
| 241 | 845 | 5745 | 241 | 1249 | 5700 | 241 | 1640 | 5890 | 241 | 2044 | 5900 | 242 | 45 | 5660 | 242 | 430 | 5769 |
| 241 | 850 | 5756 | 241 | 1253 | 5678 | 241 | 1645 | 5882 | 241 | 2050 | 5870 | 242 | 50 | 5690 | 242 | 434 | 5790 |
| 241 | 855 | 5762 | 241 | 1255 | 5700 | 241 | 1650 | 5897 | 241 | 2055 | 5850 | 242 | 55 | 5710 | 242 | 440 | 5760 |
| 241 | 900 | 5767 | 241 | 1258 | 5750 | 241 | 1655 | 5878 | 241 | 2100 | 5800 | 242 | 58 | 5700 | 242 | 447 | 5751 |
| 241 | 905 | 5780 | 241 | 1305 | 5675 | 241 | 1655 | 5878 | 241 | 2104 | 5785 | 242 | 105 | 5682 | 242 | 456 | 5819 |
| 241 | 910 | 5787 | 241 | 1308 | 5700 | 241 | 1705 | 5894 | 241 | 2108 | 5800 | 242 | 110 | 5690 | 242 | 458 | 5800 |
| 241 | 914 | 5792 | 241 | 1312 | 5730 | 241 | 1710 | 5914 | 241 | 2115 | 5818 | 242 | 115 | 5690 | 242 | 503 | 5761 |
| 241 | 920 | 5770 | 241 | 1315 | 5700 | 241 | 1715 | 5893 | 241 | 2120 | 5866 | 242 | 120 | 5695 | 242 | 510 | 5780 |
| 241 | 925 | 5762 | 241 | 1318 | 5680 | 241 | 1720 | 5882 | 241 | 2121 | 5874 | 242 | 125 | 5691 | 242 | 516 | 5739 |
| 241 | 930 | 5765 | 241 | 1325 | 5695 | 241 | 1725 | 5882 | 241 | 2127 | 5830 | 242 | 130 | 5740 | 242 | 518 | 5750 |
| 241 | 935 | 5765 | 241 | 1329 | 5680 | 241 | 1729 | 5886 | 241 | 2130 | 5848 | 242 | 134 | 5743 | 242 | 522 | 5735 |
| 241 | 940 | 5766 | 241 | 1334 | 5700 | 241 | 1735 | 5881 | 241 | 2135 | 5908 | 242 | 140 | 5722 | 242 | 525 | 5750 |
| 241 | 945 | 5775 | 241 | 1341 | 5800 | 241 | 1740 | 5889 | 241 | 2136 | 5900 | 242 | 143 | 5700 | 242 | 528 | 5777 |

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 242 | 534 | 5726 | 242 | 921 | 5660 | 242 | 1305 | 5692 | 242 | 1700 | 5360 | 243 | 235 | 5890 | 243 | 625 | 5820 |
| 242 | 541 | 5776 | 242 | 925 | 5655 | 242 | 1310 | 5673 | 242 | 1705 | 5325 | 243 | 240 | 5900 | 243 | 630 | 5790 |
| 242 | 545 | 5732 | 242 | 930 | 5680 | 242 | 1315 | 5676 | 242 | 1712 | 5525 | 243 | 243 | 5880 | 243 | 635 | 5740 |
| 242 | 550 | 5742 | 242 | 935 | 5711 | 242 | 1321 | 5755 | 242 | 1715 | 5480 | 243 | 245 | 5900 | 243 | 640 | 5747 |
| 242 | 555 | 5775 | 242 | 938 | 5728 | 242 | 1325 | 5750 | 242 | 1720 | 5500 | 243 | 248 | 5890 | 243 | 645 | 5705 |
| 242 | 559 | 5800 | 242 | 940 | 5680 | 242 | 1330 | 5660 | 242 | 1740 | 6210 | 243 | 250 | 5900 | 243 | 650 | 5690 |
| 242 | 560 | 5805 | 242 | 945 | 5627 | 242 | 1334 | 5660 | 242 | 1745 | 6200 | 243 | 255 | 5965 | 243 | 655 | 5705 |
| 242 | 565 | 5728 | 242 | 950 | 5600 | 242 | 1337 | 5688 | 242 | 1750 | 6060 | 243 | 300 | 6050 | 243 | 700 | 5740 |
| 242 | 569 | 5707 | 242 | 956 | 5658 | 242 | 1340 | 5690 | 242 | 1755 | 6000 | 243 | 310 | 6140 | 243 | 703 | 5750 |
| 242 | 573 | 5720 | 242 | 1000 | 5640 | 242 | 1344 | 5708 | 242 | 1800 | 5910 | 243 | 315 | 6240 | 243 | 710 | 5685 |
| 242 | 574 | 5706 | 242 | 1005 | 5650 | 242 | 1350 | 5678 | 242 | 1807 | 5900 | 243 | 314 | 6280 | 243 | 713 | 5675 |
| 242 | 579 | 5662 | 242 | 1011 | 5714 | 242 | 1350 | 5610 | 242 | 1815 | 5870 | 243 | 325 | 6170 | 243 | 720 | 5790 |
| 242 | 582 | 5682 | 242 | 1015 | 5644 | 242 | 1400 | 5715 | 242 | 1825 | 5760 | 243 | 330 | 6150 | 243 | 721 | 5830 |
| 242 | 586 | 5665 | 242 | 1017 | 5632 | 242 | 1405 | 5692 | 242 | 1830 | 5750 | 243 | 335 | 5750 | 243 | 723 | 5680 |
| 242 | 590 | 5671 | 242 | 1020 | 5670 | 242 | 1410 | 5662 | 242 | 1835 | 5740 | 243 | 340 | 5800 | 243 | 728 | 5700 |
| 242 | 593 | 5700 | 242 | 1025 | 5650 | 242 | 1415 | 5700 | 242 | 1840 | 5715 | 243 | 345 | 5650 | 243 | 732 | 5720 |
| 242 | 595 | 5790 | 242 | 1030 | 5675 | 242 | 1420 | 5670 | 242 | 1850 | 5790 | 243 | 350 | 5500 | 243 | 740 | 5700 |
| 242 | 597 | 5800 | 242 | 1034 | 5654 | 242 | 1426 | 5656 | 242 | 1900 | 5760 | 243 | 355 | 5470 | 243 | 745 | 5684 |
| 242 | 601 | 5700 | 242 | 1038 | 5672 | 242 | 1430 | 5688 | 242 | 1910 | 5680 | 243 | 400 | 5450 | 243 | 750 | 5675 |
| 242 | 604 | 5760 | 242 | 1042 | 5683 | 242 | 1435 | 5705 | 242 | 1915 | 5720 | 243 | 404 | 5390 | 243 | 755 | 5660 |
| 242 | 607 | 5760 | 242 | 1045 | 5670 | 242 | 1441 | 5720 | 242 | 1920 | 5730 | 243 | 408 | 5450 | 243 | 800 | 5660 |
| 242 | 612 | 5700 | 242 | 1050 | 5650 | 242 | 1445 | 5696 | 242 | 1930 | 5650 | 243 | 411 | 5450 | 243 | 805 | 5670 |
| 242 | 616 | 5695 | 242 | 1055 | 5645 | 242 | 1447 | 5701 | 242 | 1935 | 5670 | 243 | 415 | 5390 | 243 | 810 | 5675 |
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| 242 | 623 | 5690 | 242 | 1105 | 5610 | 242 | 1456 | 5754 | 242 | 1945 | 5680 | 243 | 425 | 5050 | 243 | 819 | 5780 |
| 242 | 625 | 5713 | 242 | 1110 | 5705 | 242 | 1500 | 5690 | 242 | 1950 | 5710 | 243 | 424 | 5010 | 243 | 824 | 5720 |
| 242 | 629 | 5730 | 242 | 1115 | 5650 | 242 | 1505 | 5655 | 242 | 1955 | 5740 | 243 | 430 | 5250 | 243 | 830 | 5700 |
| 242 | 630 | 5710 | 242 | 1120 | 5650 | 242 | 1508 | 5645 | 242 | 2000 | 5760 | 243 | 435 | 5510 | 243 | 837 | 5625 |
| 242 | 634 | 5670 | 242 | 1126 | 5600 | 242 | 1510 | 5660 | 243 | 100 | 5720 | 243 | 440 | 5650 | 243 | 840 | 5635 |
| 242 | 638 | 5681 | 242 | 1129 | 5645 | 242 | 1515 | 5720 | 243 | 105 | 5690 | 243 | 445 | 5635 | 243 | 845 | 5635 |
| 242 | 641 | 5688 | 242 | 1135 | 5680 | 242 | 1520 | 5741 | 243 | 110 | 5680 | 243 | 450 | 5600 | 243 | 851 | 5690 |
| 242 | 645 | 5695 | 242 | 1139 | 5700 | 242 | 1525 | 5743 | 243 | 115 | 5675 | 243 | 455 | 5560 | 243 | 858 | 5680 |
| 242 | 649 | 5706 | 242 | 1145 | 5679 | 242 | 1530 | 5764 | 243 | 119 | 5660 | 243 | 500 | 5600 | 243 | 902 | 5600 |
| 242 | 653 | 5660 | 242 | 1150 | 5648 | 242 | 1536 | 5750 | 243 | 121 | 5633 | 243 | 505 | 5720 | 243 | 906 | 5695 |
| 242 | 657 | 5671 | 242 | 1153 | 5600 | 242 | 1540 | 5770 | 243 | 125 | 5710 | 243 | 510 | 5793 | 243 | 910 | 5620 |
| 242 | 660 | 5686 | 242 | 1155 | 5645 | 242 | 1544 | 5800 | 243 | 129 | 5750 | 243 | 515 | 5810 | 243 | 914 | 5615 |
| 242 | 664 | 5686 | 242 | 1200 | 5655 | 242 | 1550 | 5857 | 243 | 135 | 5705 | 243 | 520 | 5960 | 243 | 917 | 5665 |
| 242 | 668 | 5680 | 242 | 1205 | 5658 | 242 | 1555 | 5948 | 243 | 137 | 5670 | 243 | 525 | 5980 | 243 | 929 | 5390 |
| 242 | 672 | 5688 | 242 | 1211 | 5670 | 242 | 1600 | 5950 | 243 | 140 | 5710 | 243 | 530 | 5980 | 243 | 935 | 5500 |
| 242 | 676 | 5695 | 242 | 1215 | 5710 | 242 | 1605 | 5945 | 243 | 145 | 5770 | 243 | 535 | 6010 | 243 | 942 | 5640 |
| 242 | 680 | 5683 | 242 | 1220 | 5730 | 242 | 1608 | 5952 | 243 | 150 | 5775 | 243 | 540 | 6090 | 243 | 946 | 5645 |
| 242 | 684 | 5640 | 242 | 1225 | 5715 | 242 | 1610 | 5945 | 243 | 155 | 5770 | 243 | 545 | 6170 | 243 | 950 | 5600 |
| 242 | 688 | 5685 | 242 | 1230 | 5700 | 242 | 1615 | 5946 | 243 | 200 | 5750 | 243 | 550 | 6210 | 243 | 955 | 5680 |
| 242 | 692 | 5703 | 242 | 1234 | 5686 | 242 | 1619 | 5930 | 243 | 205 | 5715 | 243 | 555 | 6190 | 243 | 1000 | 5830 |
| 242 | 696 | 5680 | 242 | 1239 | 5720 | 242 | 1627 | 5885 | 243 | 210 | 5710 | 243 | 600 | 6110 | 243 | 1005 | 5770 |
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| 242 | 703 | 5665 | 242 | 1250 | 5672 | 242 | 1650 | 5610 | 243 | 220 | 5765 | 243 | 610 | 5920 | 243 | 1015 | 5770 |
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| 242 | 711 | 5605 | 242 | 1300 | 5698 | 242 | 1655 | 5500 | 243 | 230 | 5860 | 243 | 620 | 5818 | 243 | 1027 | 5790 |

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 243 | 1029 | 5687 | 243 | 1435 | 5725 | 243 | 1840 | 5665 | 243 | 2255 | 5815 | 244 | 300 | 5482 | 244 | 710 | 5420 | 244 | 1020 | 5730 |
| 243 | 1035 | 5730 | 243 | 1439 | 5770 | 243 | 1845 | 5679 | 243 | 2300 | 5830 | 244 | 305 | 5500 | 244 | 715 | 5540 | 244 | 1025 | 5757 |
| 243 | 1040 | 5690 | 243 | 1445 | 5715 | 243 | 1850 | 5665 | 243 | 2305 | 5826 | 244 | 310 | 5720 | 244 | 720 | 5490 | 244 | 1030 | 5760 |
| 243 | 1045 | 5740 | 243 | 1450 | 5705 | 243 | 1855 | 5655 | 243 | 2310 | 5812 | 244 | 315 | 5908 | 244 | 725 | 5580 | 244 | 1035 | 5765 |
| 243 | 1048 | 5780 | 243 | 1455 | 5703 | 243 | 1900 | 5655 | 243 | 2315 | 5796 | 244 | 320 | 5940 | 244 | 730 | 5550 | 244 | 1040 | 5750 |
| 243 | 1054 | 5680 | 243 | 1455 | 5740 | 243 | 1905 | 5740 | 243 | 2320 | 5830 | 244 | 325 | 5920 | 244 | 735 | 5490 | 244 | 1045 | 5740 |
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| 243 | 1104 | 5585 | 243 | 1505 | 5780 | 243 | 1915 | 5770 | 243 | 2330 | 5850 | 244 | 335 | 5960 | 244 | 745 | 5560 | 244 | 1055 | 5560 |
| 243 | 1110 | 5650 | 243 | 1510 | 5760 | 243 | 1920 | 5740 | 243 | 2335 | 5865 | 244 | 340 | 5890 | 244 | 750 | 5450 | 244 | 1100 | 5455 |
| 243 | 1115 | 5670 | 243 | 1515 | 5760 | 243 | 1925 | 5740 | 243 | 2340 | 5872 | 244 | 345 | 5910 | 244 | 755 | 5360 | 244 | 1105 | 5435 |
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| 243 | 1125 | 5690 | 243 | 1525 | 5815 | 243 | 1935 | 5645 | 243 | 2350 | 5900 | 244 | 355 | 5870 | 244 | 805 | 5250 | 244 | 1115 | 5620 |
| 243 | 1130 | 5665 | 243 | 1530 | 5725 | 243 | 1940 | 5646 | 243 | 2355 | 5860 | 244 | 405 | 5960 | 244 | 810 | 5360 | 244 | 1120 | 5710 |
| 243 | 1135 | 5705 | 243 | 1535 | 5740 | 243 | 1945 | 5650 | 243 | 2355 | 5860 | 244 | 410 | 5970 | 244 | 815 | 5400 | 244 | | |
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| 243 | 1145 | 5660 | 243 | 1545 | 5650 | 243 | 1955 | 5710 | 244 | 10 | 5903 | 244 | 425 | 5860 | 244 | 825 | 5850 | 244 | | |
| 243 | 1155 | 5680 | 243 | 1550 | 5645 | 243 | 2000 | 5730 | 244 | 15 | 5900 | 244 | 430 | 5900 | 244 | 830 | 5930 | 244 | | |
| 243 | 1200 | 5700 | 243 | 1555 | 5655 | 243 | 2005 | 5712 | 244 | 20 | 5883 | 244 | 435 | 5880 | 244 | 835 | 5610 | 244 | | |
| 243 | 1205 | 5700 | 243 | 1600 | 5660 | 243 | 2010 | 5712 | 244 | 25 | 5863 | 244 | 440 | 5840 | 244 | 840 | 5610 | 244 | | |
| 243 | 1210 | 5680 | 243 | 1605 | 5695 | 243 | 2015 | 5725 | 244 | 30 | 5857 | 244 | 445 | 5805 | 244 | 845 | 5590 | 244 | | |
| 243 | 1215 | 5662 | 243 | 1610 | 5695 | 243 | 2020 | 5740 | 244 | 35 | 5860 | 244 | 450 | 5825 | 244 | 850 | 5665 | 244 | | |
| 243 | 1220 | 5662 | 243 | 1615 | 5720 | 243 | 2025 | 5770 | 244 | 40 | 5900 | 244 | 455 | 5850 | 244 | 855 | 5610 | 244 | | |
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| 243 | 1245 | 5670 | 243 | 1640 | 5695 | 243 | 2050 | 5732 | 244 | 105 | 5855 | 244 | 480 | 5825 | 244 | 880 | 5610 | 244 | | |
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| 243 | 1255 | 5660 | 243 | 1650 | 5670 | 243 | 2100 | 5735 | 244 | 115 | 5835 | 244 | 490 | 5825 | 244 | 890 | 5610 | 244 | | |
| 243 | 1300 | 5680 | 243 | 1655 | 5670 | 243 | 2105 | 5735 | 244 | 120 | 5880 | 244 | 495 | 5850 | 244 | 895 | 5610 | 244 | | |
| 243 | 1305 | 5660 | 243 | 1700 | 5680 | 243 | 2110 | 5735 | 244 | 125 | 5942 | 244 | 500 | 5950 | 244 | 900 | 5610 | 244 | | |
| 243 | 1310 | 5640 | 243 | 1705 | 5696 | 243 | 2115 | 5730 | 244 | 130 | 5884 | 244 | 505 | 5920 | 244 | 905 | 5625 | 244 | | |
| 243 | 1315 | 5630 | 243 | 1710 | 5710 | 243 | 2120 | 5700 | 244 | 135 | 5860 | 244 | 510 | 5897 | 244 | 910 | 5900 | 244 | | |
| 243 | 1320 | 5680 | 243 | 1715 | 5715 | 243 | 2125 | 5690 | 244 | 140 | 5850 | 244 | 515 | 5890 | 244 | 915 | 5890 | 244 | | |
| 243 | 1325 | 5740 | 243 | 1720 | 5720 | 243 | 2130 | 5690 | 244 | 145 | 5850 | 244 | 520 | 5900 | 244 | 920 | 5883 | 244 | | |
| 243 | 1330 | 5690 | 243 | 1725 | 5766 | 243 | 2135 | 5722 | 244 | 150 | 5950 | 244 | 525 | 5907 | 244 | 925 | 5920 | 244 | | |
| 243 | 1335 | 5625 | 243 | 1730 | 5740 | 243 | 2140 | 5735 | 244 | 155 | 5930 | 244 | 530 | 5908 | 244 | 930 | 5885 | 244 | | |
| 243 | 1340 | 5645 | 243 | 1735 | 5745 | 243 | 2145 | 5735 | 244 | 160 | 5940 | 244 | 535 | 5913 | 244 | 935 | 5885 | 244 | | |
| 243 | 1345 | 5665 | 243 | 1740 | 5735 | 243 | 2150 | 5715 | 244 | 165 | 5940 | 244 | 540 | 5930 | 244 | 940 | 5885 | 244 | | |
| 243 | 1350 | 5660 | 243 | 1745 | 5725 | 243 | 2155 | 5700 | 244 | 170 | 5950 | 244 | 545 | 5968 | 244 | 945 | 5807 | 244 | | |
| 243 | 1355 | 5660 | 243 | 1750 | 5730 | 243 | 2200 | 5765 | 244 | 175 | 5975 | 244 | 550 | 5968 | 244 | 950 | 5824 | 244 | | |
| 243 | 1355 | 5660 | 243 | 1755 | 5775 | 243 | 2205 | 5788 | 244 | 180 | 5975 | 244 | 555 | 5980 | 244 | 955 | 5845 | 244 | | |
| 243 | 1355 | 5660 | 243 | 1800 | 5815 | 243 | 2210 | 5800 | 244 | 185 | 5975 | 244 | 560 | 5980 | 244 | 960 | 5820 | 244 | | |
| 243 | 1400 | 5765 | 243 | 1805 | 5740 | 243 | 2215 | 5800 | 244 | 190 | 5950 | 244 | 565 | 5980 | 244 | 965 | 5820 | 244 | | |
| 243 | 1405 | 5765 | 243 | 1810 | 5709 | 243 | 2220 | 5777 | 244 | 195 | 5930 | 244 | 570 | 5980 | 244 | 970 | 5820 | 244 | | |
| 243 | 1410 | 5655 | 243 | 1815 | 5715 | 243 | 2225 | 5840 | 244 | 200 | 5940 | 244 | 575 | 5980 | 244 | 975 | 5820 | 244 | | |
| 243 | 1415 | 5675 | 243 | 1820 | 5700 | 243 | 2230 | 5820 | 244 | 205 | 5962 | 244 | 580 | 5980 | 244 | 980 | 5820 | 244 | | |
| 243 | 1420 | 5680 | 243 | 1825 | 5695 | 243 | 2235 | 5820 | 244 | 210 | 5970 | 244 | 585 | 5980 | 244 | 985 | 5820 | 244 | | |
| 243 | 1425 | 5690 | 243 | 1830 | 5680 | 243 | 2240 | 5760 | 244 | 215 | 5975 | 244 | 590 | 5980 | 244 | 990 | 5820 | 244 | | |
| 243 | 1430 | 5700 | 243 | 1835 | 5665 | 243 | 2245 | 5758 | 244 | 220 | 5975 | 244 | 595 | 5980 | 244 | 995 | 5820 | 244 | | |

| DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 244 | 125 | 5206 | 244 | 1605 | 5820 | 244 | 2020 | 5717 | 245 | 25 | 5830 | 245 | 430 | 5823 | 245 | 840 | 5815 |
| 244 | 130 | 5145 | 244 | 1610 | 5805 | 244 | 2025 | 5710 | 245 | 30 | 5833 | 245 | 435 | 5830 | 245 | 845 | 5830 |
| 244 | 135 | 5147 | 244 | 1615 | 5807 | 244 | 2030 | 5703 | 245 | 35 | 5825 | 245 | 440 | 5815 | 245 | 850 | 5805 |
| 244 | 140 | 5206 | 244 | 1620 | 5790 | 244 | 2035 | 5738 | 245 | 40 | 5810 | 245 | 445 | 5847 | 245 | 855 | 5840 |
| 244 | 145 | 5255 | 244 | 1625 | 5770 | 244 | 2040 | 5735 | 245 | 45 | 5863 | 245 | 450 | 5890 | 245 | 900 | 5800 |
| 244 | 150 | 5310 | 244 | 1630 | 5765 | 244 | 2045 | 5722 | 245 | 50 | 5840 | 245 | 455 | 5880 | 245 | 905 | 5790 |
| 244 | 155 | 5316 | 244 | 1635 | 5780 | 244 | 2048 | 5733 | 245 | 55 | 5853 | 245 | 500 | 5862 | 245 | 910 | 5840 |
| 244 | 160 | 5356 | 244 | 1640 | 5815 | 244 | 2053 | 5710 | 245 | 100 | 5835 | 245 | 505 | 5862 | 245 | 915 | 5844 |
| 244 | 165 | 5330 | 244 | 1645 | 5800 | 244 | 2058 | 5725 | 245 | 105 | 5815 | 245 | 510 | 5880 | 245 | 920 | 5835 |
| 244 | 170 | 5355 | 244 | 1650 | 5785 | 244 | 2105 | 5725 | 245 | 110 | 5800 | 245 | 515 | 5800 | 245 | 930 | 5837 |
| 244 | 175 | 5416 | 244 | 1655 | 5800 | 244 | 2110 | 5740 | 245 | 115 | 5780 | 245 | 520 | 5890 | 245 | 935 | 5870 |
| 244 | 180 | 5427 | 244 | 1700 | 5795 | 244 | 2115 | 5770 | 245 | 120 | 5768 | 245 | 525 | 5860 | 245 | 940 | 5915 |
| 244 | 185 | 5436 | 244 | 1705 | 5795 | 244 | 2120 | 5660 | 245 | 125 | 5740 | 245 | 530 | 5880 | 245 | 947 | 5915 |
| 244 | 190 | 5483 | 244 | 1710 | 5670 | 244 | 2125 | 5735 | 245 | 130 | 5740 | 245 | 535 | 5845 | 245 | 957 | 5845 |
| 244 | 195 | 5510 | 244 | 1715 | 5705 | 244 | 2130 | 5710 | 245 | 135 | 5750 | 245 | 540 | 5835 | 245 | 1000 | 5890 |
| 244 | 200 | 5522 | 244 | 1720 | 5735 | 244 | 2135 | 5695 | 245 | 140 | 5815 | 245 | 545 | 5850 | 245 | 1006 | 5940 |
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| 244 | 210 | 5579 | 244 | 1730 | 5703 | 244 | 2145 | 5815 | 245 | 150 | 5785 | 245 | 555 | 5938 | 245 | 1025 | 5810 |
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| 244 | 220 | 5630 | 244 | 1740 | 5820 | 244 | 2155 | 5765 | 245 | 200 | 5786 | 245 | 605 | 5840 | 245 | 1040 | 5816 |
| 244 | 225 | 5683 | 244 | 1745 | 5812 | 244 | 2200 | 5755 | 245 | 205 | 5795 | 245 | 610 | 5850 | 245 | 1045 | 5810 |
| 244 | 230 | 5703 | 244 | 1750 | 5780 | 244 | 2205 | 5730 | 245 | 210 | 5805 | 245 | 615 | 5886 | 245 | 1050 | 5787 |
| 244 | 235 | 5725 | 244 | 1755 | 5755 | 244 | 2210 | 5700 | 245 | 215 | 5805 | 245 | 620 | 5815 | 245 | 1055 | 5795 |
| 244 | 240 | 5745 | 244 | 1800 | 5820 | 244 | 2215 | 5710 | 245 | 220 | 5795 | 245 | 625 | 5845 | 245 | 1100 | 5830 |
| 244 | 245 | 5765 | 244 | 1805 | 5810 | 244 | 2220 | 5750 | 245 | 225 | 5807 | 245 | 630 | 5855 | 245 | 1105 | 5850 |
| 244 | 250 | 5785 | 244 | 1810 | 5775 | 244 | 2225 | 5720 | 245 | 230 | 5793 | 245 | 635 | 5850 | 245 | 1110 | 5848 |
| 244 | 255 | 5805 | 244 | 1815 | 5755 | 244 | 2230 | 5725 | 245 | 235 | 5790 | 245 | 640 | 5885 | 245 | 1117 | 5890 |
| 244 | 260 | 5825 | 244 | 1820 | 5775 | 244 | 2235 | 5780 | 245 | 240 | 5800 | 245 | 645 | 5895 | 245 | 1123 | 5855 |
| 244 | 265 | 5845 | 244 | 1825 | 5765 | 244 | 2240 | 5750 | 245 | 245 | 5805 | 245 | 650 | 5890 | 245 | 1130 | 5920 |
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| 244 | 390 | 6345 | 244 | 2030 | 5500 | 244 | 2355 | 5717 | 245 | 425 | 5810 | 245 | 835 | 5815 | 245 | 1330 | 5750 |
| 244 | 395 | 6365 | 244 | 2035 | 5490 | 244 | 2355 | 5717 | 245 | 425 | 5810 | 245 | 835 | 5815 | 245 | 1330 | 5750 |
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| 244 | 510 | 6825 | 244 | 2190 | 5260 | 244 | 2355 | | | | | | | | | | |

| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 245 | 1335 | 5735 | 245 | 1756 | 5765 | 246 | 1245 | 5790 | 246 | 1734 | 5800 | 246 | 2127 | 5866 | 247 | 151 | 5930 | 247 | 2127 | 5866 |
| 245 | 1336 | 5746 | 245 | 1800 | 5752 | 246 | 1252 | 5794 | 246 | 1738 | 5805 | 246 | 2132 | 5923 | 247 | 157 | 5950 | 247 | 2132 | 5923 |
| 245 | 1344 | 5700 | 245 | 1807 | 5748 | 246 | 1257 | 5783 | 246 | 1742 | 5800 | 246 | 2137 | 5910 | 247 | 204 | 5968 | 247 | 2137 | 5910 |
| 245 | 1350 | 5735 | 245 | 1812 | 5770 | 246 | 1300 | 5775 | 246 | 1749 | 5793 | 246 | 2144 | 5910 | 247 | 212 | 5960 | 247 | 2144 | 5910 |
| 245 | 1355 | 5800 | 245 | 1814 | 5760 | 246 | 1303 | 5770 | 246 | 1757 | 5800 | 246 | 2148 | 5900 | 247 | 217 | 5962 | 247 | 2148 | 5900 |
| 245 | 1400 | 5870 | 245 | 1821 | 5810 | 246 | 1308 | 5783 | 246 | 1804 | 5900 | 246 | 2157 | 5775 | 247 | 222 | 5925 | 247 | 2157 | 5775 |
| 245 | 1405 | 5810 | 245 | 1826 | 5796 | 246 | 1312 | 5780 | 246 | 1812 | 5932 | 246 | 2201 | 5950 | 247 | 227 | 5903 | 247 | 2201 | 5950 |
| 245 | 1410 | 5755 | 245 | 1834 | 5810 | 246 | 1317 | 5765 | 246 | 1817 | 5835 | 246 | 2205 | 5950 | 247 | 232 | 5950 | 247 | 2205 | 5950 |
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| 245 | 1430 | 5826 | 245 | 1855 | 5722 | 246 | 1339 | 5804 | 246 | 1843 | 5790 | 246 | 2229 | 5975 | 247 | 255 | 5880 | 247 | 2229 | 5975 |
| 245 | 1438 | 5876 | 245 | 1859 | 5736 | 246 | 1344 | 5760 | 246 | 1846 | 5803 | 246 | 2235 | 5965 | 247 | 300 | 5787 | 247 | 2235 | 5965 |
| 245 | 1440 | 5835 | 245 | 1912 | 5680 | 246 | 1353 | 5753 | 246 | 1854 | 5825 | 246 | 2241 | 5987 | 247 | 310 | 5810 | 247 | 2241 | 5987 |
| 245 | 1448 | 5705 | 245 | 1920 | 5620 | 246 | 1358 | 5770 | 246 | 1858 | 5850 | 246 | 2244 | 5985 | 247 | 314 | 5796 | 247 | 2244 | 5985 |
| 245 | 1455 | 5810 | 245 | 1925 | 5675 | 246 | 1408 | 5775 | 246 | 1900 | 5795 | 246 | 2248 | 5995 | 247 | 320 | 5804 | 247 | 2248 | 5995 |
| 245 | 1500 | 5885 | 245 | 1930 | 5720 | 246 | 1413 | 5823 | 246 | 1906 | 5812 | 246 | 2252 | 5935 | 247 | 330 | 5795 | 247 | 2252 | 5935 |
| 245 | 1509 | 5860 | 245 | 1937 | 5780 | 246 | 1420 | 5870 | 246 | 1909 | 5810 | 246 | 2258 | 5953 | 247 | 341 | 5770 | 247 | 2258 | 5953 |
| 245 | 1514 | 5820 | 245 | 1945 | 5790 | 246 | 1425 | 5840 | 246 | 1913 | 5843 | 246 | 2303 | 5955 | 247 | 351 | 5790 | 247 | 2303 | 5955 |
| 245 | 1521 | 5860 | 245 | 1956 | 5660 | 246 | 1430 | 5875 | 246 | 1921 | 5822 | 246 | 2308 | 5925 | 247 | 357 | 5740 | 247 | 2308 | 5925 |
| 245 | 1526 | 5800 | 245 | 1004 | 5720 | 246 | 1444 | 5900 | 246 | 1926 | 5853 | 246 | 2312 | 5935 | 247 | 405 | 5733 | 247 | 2312 | 5935 |
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| 245 | 1618 | 5775 | 245 | 1054 | 5780 | 246 | 1536 | 5720 | 246 | 2007 | 5845 | 246 | 2358 | 5905 | 247 | 457 | 5833 | 247 | 2358 | 5905 |
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| 245 | 1628 | 5776 | 245 | 1104 | 5800 | 246 | 1553 | 5790 | 246 | 2013 | 5847 | 246 | 2362 | 5952 | 247 | 514 | 5745 | 247 | 2362 | 5952 |
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| 245 | 1642 | 5742 | 245 | 1124 | 5720 | 246 | 1608 | 5745 | 246 | 2029 | 5830 | 246 | 2378 | 5962 | 247 | 529 | 5727 | 247 | 2378 | 5962 |
| 245 | 1646 | 5755 | 245 | 1129 | 5738 | 246 | 1613 | 5716 | 246 | 2032 | 5830 | 246 | 2381 | 5985 | 247 | 532 | 5700 | 247 | 2381 | 5985 |
| 245 | 1648 | 5750 | 245 | 1132 | 5730 | 246 | 1619 | 5750 | 246 | 2034 | 5815 | 246 | 2387 | 5973 | 247 | 536 | 5690 | 247 | 2387 | 5973 |
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| 245 | 1656 | 5732 | 245 | 1142 | 5790 | 246 | 1631 | 5740 | 246 | 2042 | 5803 | 246 | 2395 | 5990 | 247 | 545 | 5695 | 247 | 2395 | 5990 |
| 245 | 1700 | 5755 | 245 | 1148 | 5790 | 246 | 1638 | 5827 | 246 | 2047 | 5833 | 246 | 2398 | 5962 | 247 | 554 | 5762 | 247 | 2398 | 5962 |
| 245 | 1708 | 5803 | 245 | 1153 | 5755 | 246 | 1641 | 5840 | 246 | 2051 | 5850 | 246 | 2401 | 5980 | 247 | 606 | 5715 | 247 | 2401 | 5980 |
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| 245 | 1729 | 5715 | 245 | 1215 | 5755 | 246 | 1653 | 5753 | 246 | 2101 | 5850 | 246 | 2415 | 5915 | 247 | 622 | 5697 | 247 | 2415 | 5915 |
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| LAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z | DAY | TIME | Z |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
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| 248 | 856 | 5710 | 248 | 1309 | 5733 | 248 | 1659 | 5668 | 248 | 2100 | 5663 | 248 | 2355 | 6038 | 249 | 452 | 5745 | 249 | 452 | 5745 |
| 248 | 862 | 5687 | 248 | 1311 | 5735 | 248 | 1705 | 5685 | 248 | 2105 | 5850 | 248 | 2355 | 6038 | 249 | 454 | 5749 | 249 | 454 | 5749 |
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| 248 | 918 | 5777 | 248 | 1325 | 5782 | 248 | 1724 | 5713 | 248 | 2122 | 5713 | 248 | 2355 | 6038 | 249 | 513 | 5745 | 249 | 513 | 5745 |
| 248 | 925 | 5735 | 248 | 1330 | 5728 | 248 | 1727 | 5681 | 248 | 2125 | 5701 | 248 | 2355 | 6038 | 249 | 518 | 5704 | 249 | 518 | 5704 |
| 248 | 922 | 5681 | 248 | 1335 | 5713 | 248 | 1735 | 5700 | 248 | 2130 | 5683 | 248 | 2355 | 6038 | 249 | 520 | 5708 | 249 | 520 | 5708 |
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| 248 | 944 | 5767 | 248 | 1345 | 5780 | 248 | 1749 | 5631 | 248 | 2142 | 5756 | 248 | 2355 | 6038 | 249 | 535 | 5692 | 249 | 535 | 5692 |
| 248 | 950 | 5681 | 248 | 1350 | 5739 | 248 | 1754 | 5613 | 248 | 2145 | 5704 | 248 | 2355 | 6038 | 249 | 540 | 5683 | 249 | 540 | 5683 |
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| 248 | 1012 | 5663 | 248 | 1410 | 5713 | 248 | 1815 | 5698 | 248 | 2210 | 5719 | 248 | 2355 | 6038 | 249 | 600 | 5625 | 249 | 600 | 5625 |
| 248 | 1017 | 5674 | 248 | 1412 | 5713 | 248 | 1818 | 5785 | 248 | 2215 | 5655 | 248 | 2355 | 6038 | 249 | 604 | 5635 | 249 | 604 | 5635 |
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| 248 | 1041 | 5710 | 248 | 1430 | 5649 | 248 | 1840 | 5732 | 248 | 2230 | 5678 | 248 | 2355 | 6038 | 249 | 630 | 5635 | 249 | 630 | 5635 |
| 248 | 1045 | 5737 | 248 | 1432 | 5646 | 248 | 1846 | 5916 | 248 | 2233 | 5663 | 248 | 2355 | 6038 | 249 | 633 | 5638 | 249 | 633 | 5638 |
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| 248 | 1105 | 5701 | 248 | 1444 | 5719 | 248 | 1909 | 5584 | 248 | 2252 | 5712 | 248 | 2355 | 6038 | 249 | 654 | 5663 | 249 | 654 | 5663 |
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| 248 | 1130 | 5737 | 248 | 1513 | 5681 | 248 | 1930 | 5278 | 248 | 2315 | 5835 | 248 | 2355 | 6038 | 249 | 721 | 5615 | 249 | 721 | 5615 |
| 248 | 1135 | 5726 | 248 | 1520 | 5638 | 248 | 1935 | 5362 | 248 | 2320 | 5844 | 248 | 2355 | 6038 | 249 | 726 | 5615 | 249 | 726 | 5615 |
| 248 | 1139 | 5715 | 248 | 1525 | 5612 | 248 | 1940 | 5527 | 248 | 2325 | 5844 | 248 | 2355 | 6038 | 249 | 726 | 5615 | 249 | 726 | 5615 |
| 248 | 1145 | 5676 | 248 | 1530 | 5653 | 248 | 1945 | 5597 | 248 | 2329 | 5878 | 248 | 2355 | 6038 | 249 | 726 | 5615 | 249 | 726 | 5615 |

| DAY | TIME | Z |
|-----|------|------|
| 249 | 1125 | 5640 |
| 249 | 1130 | 5647 |
| 249 | 1134 | 5663 |
| 249 | 1137 | 5674 |
| 249 | 1140 | 5660 |
| 249 | 1145 | 5647 |
| 249 | 1152 | 5685 |
| 249 | 1157 | 5710 |
| 249 | 1205 | 5775 |
| 249 | 1210 | 5801 |
| 249 | 1215 | 5777 |
| 249 | 1220 | 5747 |
| 249 | 1226 | 5733 |
| 249 | 1230 | 5706 |
| 249 | 1242 | 6103 |
| 249 | 1249 | 6115 |
| 249 | 1255 | 5749 |
| 249 | 1257 | 6140 |
| 249 | 1302 | 5897 |
| 249 | 1310 | 5690 |
| 249 | 1313 | 5801 |
| 249 | 1317 | 5769 |
| 249 | 1320 | 5787 |
| 249 | 1335 | 5932 |
| 249 | 1339 | 5955 |
| 249 | 1342 | 5940 |
| 249 | 1350 | 5934 |
| 249 | 1359 | 5952 |

| DAY | TIME | Z |
|-----|------|------|
| 249 | 725 | 5591 |
| 249 | 730 | 5633 |
| 249 | 734 | 5676 |
| 249 | 736 | 5663 |
| 249 | 741 | 5632 |
| 249 | 745 | 5582 |
| 249 | 754 | 5670 |
| 249 | 758 | 5706 |
| 249 | 802 | 5706 |
| 249 | 810 | 5725 |
| 249 | 815 | 5612 |
| 249 | 819 | 5576 |
| 249 | 825 | 5663 |
| 249 | 830 | 5713 |
| 249 | 838 | 5706 |
| 249 | 845 | 5644 |
| 249 | 840 | 5601 |
| 249 | 845 | 5572 |
| 249 | 850 | 5523 |
| 249 | 856 | 5556 |
| 249 | 905 | 5712 |
| 249 | 910 | 5678 |
| 249 | 916 | 5751 |
| 249 | 922 | 5682 |
| 249 | 924 | 5698 |
| 249 | 928 | 5663 |
| 249 | 933 | 5696 |
| 249 | 939 | 5756 |
| 249 | 942 | 5780 |
| 249 | 945 | 5751 |
| 249 | 950 | 5798 |
| 249 | 958 | 5762 |
| 249 | 1002 | 5710 |
| 249 | 1003 | 5814 |
| 249 | 1010 | 5786 |
| 249 | 1015 | 5782 |
| 249 | 1021 | 5767 |
| 249 | 1025 | 5754 |
| 249 | 1030 | 5726 |
| 249 | 1035 | 5737 |
| 249 | 1037 | 5744 |
| 249 | 1042 | 5730 |
| 249 | 1045 | 5728 |
| 249 | 1050 | 5715 |
| 249 | 1055 | 5694 |
| 249 | 1103 | 5656 |
| 249 | 1110 | 5646 |
| 249 | 1114 | 5632 |
| 249 | 1120 | 5642 |

APPENDIX D

This appendix contains the measured temperature profiles.

DAY, . . . JULIAN DAY
TIME . . . GMT
Z . . . DEPTH(M)
T . . . TEMP(C)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 8 | | | | | | | | | | | | |

[illegible]

XBT LAY TIME TYPE
3 237 1035 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|-----|------|------|---|-----|------|---|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|-----|---|-----|-----|
| Z | 0 | 20.7 | T | 2 | 85 | 17.1 | T | 175 | 14.8 | Z | 25 | 13.1 | T | 340 | 11.7 | Z | 425 | 10.3 | T | 518 | 8.5 | Z | 595 | 6.1 | T | 680 | 4.9 |
| | 5 | 26.7 | | 90 | 16.9 | | | 175 | 14.7 | | 250 | 12.9 | | 345 | 11.6 | | 430 | 10.2 | | 515 | 8.5 | | 600 | 6.0 | | 685 | 4.9 |
| | 10 | 26.7 | | 95 | 16.7 | | | 180 | 14.6 | | 255 | 12.8 | | 350 | 11.5 | | 435 | 10.0 | | 520 | 8.3 | | 605 | 5.9 | | 690 | 4.8 |
| | 15 | 26.4 | | 100 | 16.5 | | | 185 | 14.5 | | 260 | 12.7 | | 355 | 11.4 | | 440 | 9.9 | | 525 | 8.3 | | 610 | 5.9 | | 695 | 4.8 |
| | 20 | 26.4 | | 105 | 16.4 | | | 190 | 14.3 | | 265 | 12.6 | | 360 | 11.4 | | 445 | 9.8 | | 530 | 8.2 | | 615 | 5.8 | | 700 | 4.7 |
| | 25 | 26.3 | | 110 | 16.3 | | | 195 | 14.4 | | 270 | 12.5 | | 365 | 11.4 | | 450 | 9.7 | | 535 | 8.0 | | 620 | 5.7 | | 705 | 4.7 |
| | 30 | 26.3 | | 115 | 16.2 | | | 200 | 14.4 | | 275 | 12.5 | | 370 | 11.3 | | 455 | 9.6 | | 540 | 7.7 | | 625 | 5.6 | | 710 | 4.6 |
| | 35 | 26.2 | | 120 | 16.2 | | | 205 | 14.3 | | 280 | 12.4 | | 375 | 11.2 | | 460 | 9.5 | | 545 | 7.5 | | 630 | 5.5 | | 715 | 4.6 |
| | 40 | 26.2 | | 125 | 16.1 | | | 210 | 14.1 | | 285 | 12.3 | | 380 | 11.1 | | 465 | 9.4 | | 550 | 7.3 | | 635 | 5.5 | | 720 | 4.5 |
| | 45 | 22.7 | | 130 | 16.0 | | | 215 | 14.0 | | 290 | 12.3 | | 385 | 11.1 | | 470 | 9.3 | | 555 | 7.1 | | 640 | 5.4 | | 725 | 4.4 |
| | 50 | 21.2 | | 135 | 15.9 | | | 220 | 13.9 | | 295 | 12.2 | | 390 | 11.0 | | 475 | 9.2 | | 560 | 7.0 | | 645 | 5.3 | | 730 | 4.4 |
| | 55 | 20.2 | | 140 | 15.8 | | | 225 | 13.8 | | 300 | 12.1 | | 395 | 10.9 | | 480 | 9.1 | | 565 | 6.9 | | 650 | 5.3 | | 735 | 4.3 |
| | 60 | 19.2 | | 145 | 15.7 | | | 230 | 13.7 | | 305 | 12.1 | | 400 | 10.8 | | 485 | 9.0 | | 570 | 6.7 | | 655 | 5.2 | | 740 | 4.3 |
| | 65 | 18.7 | | 150 | 15.5 | | | 235 | 13.6 | | 310 | 12.1 | | 405 | 10.7 | | 490 | 8.8 | | 575 | 6.6 | | 660 | 5.1 | | 745 | 4.2 |
| | 70 | 18.2 | | 155 | 15.3 | | | 240 | 13.5 | | 315 | 12.0 | | 410 | 10.7 | | 495 | 8.7 | | 580 | 6.5 | | 665 | 5.1 | | 750 | 4.2 |
| | 75 | 17.8 | | 160 | 15.2 | | | 245 | 13.4 | | 320 | 11.9 | | 415 | 10.6 | | 500 | 8.6 | | 585 | 6.4 | | 670 | 5.0 | | 755 | 4.1 |
| | 80 | 17.4 | | 165 | 15.0 | | | 250 | 13.2 | | 325 | 11.8 | | 420 | 10.4 | | 505 | 8.6 | | 590 | 6.2 | | 675 | 5.0 | | 757 | 4.1 |

| λ | T | Z | λ | T | Z | λ | T | Z | λ | T | Z | λ | T | Z | λ | T | Z |
|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|
| 0 | 27.1 | 0 | 16 | 19.8 | 10 | 26 | 19.8 | 10 | 35 | 19.8 | 10 | 44 | 19.8 | 10 | 53 | 19.8 | 10 |
| 1 | 27.1 | 10 | 17 | 19.8 | 11 | 27 | 19.8 | 11 | 36 | 19.8 | 11 | 45 | 19.8 | 11 | 54 | 19.8 | 11 |
| 2 | 27.1 | 20 | 18 | 19.8 | 12 | 28 | 19.8 | 12 | 37 | 19.8 | 12 | 46 | 19.8 | 12 | 55 | 19.8 | 12 |
| 3 | 27.1 | 30 | 19 | 19.8 | 13 | 29 | 19.8 | 13 | 38 | 19.8 | 13 | 47 | 19.8 | 13 | 56 | 19.8 | 13 |
| 4 | 27.1 | 40 | 20 | 19.8 | 14 | 30 | 19.8 | 14 | 39 | 19.8 | 14 | 48 | 19.8 | 14 | 57 | 19.8 | 14 |
| 5 | 27.1 | 50 | 21 | 19.8 | 15 | 31 | 19.8 | 15 | 40 | 19.8 | 15 | 49 | 19.8 | 15 | 58 | 19.8 | 15 |
| 6 | 27.1 | 60 | 22 | 19.8 | 16 | 32 | 19.8 | 16 | 41 | 19.8 | 16 | 50 | 19.8 | 16 | 59 | 19.8 | 16 |
| 7 | 27.1 | 70 | 23 | 19.8 | 17 | 33 | 19.8 | 17 | 42 | 19.8 | 17 | 51 | 19.8 | 17 | 60 | 19.8 | 17 |
| 8 | 27.1 | 80 | 24 | 19.8 | 18 | 34 | 19.8 | 18 | 43 | 19.8 | 18 | 52 | 19.8 | 18 | 61 | 19.8 | 18 |
| 9 | 27.1 | 90 | 25 | 19.8 | 19 | 35 | 19.8 | 19 | 44 | 19.8 | 19 | 53 | 19.8 | 19 | 62 | 19.8 | 19 |
| 10 | 27.1 | 100 | 26 | 19.8 | 20 | 36 | 19.8 | 20 | 45 | 19.8 | 20 | 54 | 19.8 | 20 | 63 | 19.8 | 20 |
| 11 | 27.1 | 110 | 27 | 19.8 | 21 | 37 | 19.8 | 21 | 46 | 19.8 | 21 | 55 | 19.8 | 21 | 64 | 19.8 | 21 |
| 12 | 27.1 | 120 | 28 | 19.8 | 22 | 38 | 19.8 | 22 | 47 | 19.8 | 22 | 56 | 19.8 | 22 | 65 | 19.8 | 22 |
| 13 | 27.1 | 130 | 29 | 19.8 | 23 | 39 | 19.8 | 23 | 48 | 19.8 | 23 | 57 | 19.8 | 23 | 66 | 19.8 | 23 |
| 14 | 27.1 | 140 | 30 | 19.8 | 24 | 40 | 19.8 | 24 | 49 | 19.8 | 24 | 58 | 19.8 | 24 | 67 | 19.8 | 24 |
| 15 | 27.1 | 150 | 31 | 19.8 | 25 | 41 | 19.8 | 25 | 50 | 19.8 | 25 | 59 | 19.8 | 25 | 68 | 19.8 | 25 |
| 16 | 27.1 | 160 | 32 | 19.8 | 26 | 42 | 19.8 | 26 | 51 | 19.8 | 26 | 60 | 19.8 | 26 | 69 | 19.8 | 26 |
| 17 | 27.1 | 170 | 33 | 19.8 | 27 | 43 | 19.8 | 27 | 52 | 19.8 | 27 | 61 | 19.8 | 27 | 70 | 19.8 | 27 |
| 18 | 27.1 | 180 | 34 | 19.8 | 28 | 44 | 19.8 | 28 | 53 | 19.8 | 28 | 62 | 19.8 | 28 | 71 | 19.8 | 28 |
| 19 | 27.1 | 190 | 35 | 19.8 | 29 | 45 | 19.8 | 29 | 54 | 19.8 | 29 | 63 | 19.8 | 29 | 72 | 19.8 | 29 |
| 20 | 27.1 | 200 | 36 | 19.8 | 30 | 46 | 19.8 | 30 | 55 | 19.8 | 30 | 64 | 19.8 | 30 | 73 | 19.8 | 30 |
| 21 | 27.1 | 210 | 37 | 19.8 | 31 | 47 | 19.8 | 31 | 56 | 19.8 | 31 | 65 | 19.8 | 31 | 74 | 19.8 | 31 |
| 22 | 27.1 | 220 | 38 | 19.8 | 32 | 48 | 19.8 | 32 | 57 | 19.8 | 32 | 66 | 19.8 | 32 | 75 | 19.8 | 32 |
| 23 | 27.1 | 230 | 39 | 19.8 | 33 | 49 | 19.8 | 33 | 58 | 19.8 | 33 | 67 | 19.8 | 33 | 76 | 19.8 | 33 |
| 24 | 27.1 | 240 | 40 | 19.8 | 34 | 50 | 19.8 | 34 | 59 | 19.8 | 34 | 68 | 19.8 | 34 | 77 | 19.8 | 34 |
| 25 | 27.1 | 250 | 41 | 19.8 | 35 | 51 | 19.8 | 35 | 60 | 19.8 | 35 | 69 | 19.8 | 35 | 78 | 19.8 | 35 |
| 26 | 27.1 | 260 | 42 | 19.8 | 36 | 52 | 19.8 | 36 | 61 | 19.8 | 36 | 70 | 19.8 | 36 | 79 | 19.8 | 36 |
| 27 | 27.1 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89</ | | | | | | | | | | | |

XBT LAY TIME TYPE
6 239 7 0 5

| | | | | | | | | | | |
|-----|------|------|------|------|---|------|------|-------|---|---|
| 2 | 0 | 26.4 | 105 | 12.2 | 1 | 0 | 1440 | 2.0 | 1 | 0 |
| 5 | 26.4 | 110 | 12.2 | 2 | 0 | 1445 | 2.0 | 2 | 0 | |
| 10 | 26.4 | 115 | 12.1 | 3 | 0 | 1450 | 2.0 | 3 | 0 | |
| 15 | 26.4 | 120 | 12.0 | 4 | 0 | 1455 | 2.0 | 4 | 0 | |
| 20 | 26.4 | 125 | 11.9 | 5 | 0 | 1460 | 2.0 | 5 | 0 | |
| 25 | 26.4 | 130 | 11.8 | 6 | 0 | 1465 | 2.0 | 6 | 0 | |
| 30 | 26.4 | 135 | 11.7 | 7 | 0 | 1470 | 2.0 | 7 | 0 | |
| 35 | 26.4 | 140 | 11.6 | 8 | 0 | 1475 | 2.0 | 8 | 0 | |
| 40 | 26.4 | 145 | 11.5 | 9 | 0 | 1480 | 2.0 | 9 | 0 | |
| 45 | 26.4 | 150 | 11.4 | 10 | 0 | 1485 | 2.0 | 10 | 0 | |
| 50 | 26.4 | 155 | 11.3 | 11 | 0 | 1490 | 2.0 | 11 | 0 | |
| 55 | 26.4 | 160 | 11.2 | 12 | 0 | 1495 | 2.0 | 12 | 0 | |
| 60 | 26.4 | 165 | 11.1 | 13 | 0 | 1500 | 2.0 | 13 | 0 | |
| 65 | 26.4 | 170 | 11.0 | 14 | 0 | 1505 | 2.0 | 14 | 0 | |
| 70 | 26.4 | 175 | 10.9 | 15 | 0 | 1510 | 2.0 | 15 | 0 | |
| 75 | 26.4 | 180 | 10.8 | 16 | 0 | 1515 | 2.0 | 16 | 0 | |
| 80 | 26.4 | 185 | 10.7 | 17 | 0 | 1520 | 2.0 | 17 | 0 | |
| 85 | 26.4 | 190 | 10.6 | 18 | 0 | 1525 | 2.0 | 18 | 0 | |
| 90 | 26.4 | 195 | 10.5 | 19 | 0 | 1530 | 2.0 | 19 | 0 | |
| 95 | 26.4 | 200 | 10.4 | 20 | 0 | 1535 | 2.0 | 20 | 0 | |
| 100 | 26.4 | 205 | 10.3 | 21 | 0 | 1540 | 2.0 | 21 | 0 | |
| 105 | 26.4 | 210 | 10.2 | 22 | 0 | 1545 | 2.0 | 22 | 0 | |
| 110 | 26.4 | 215 | 10.1 | 23 | 0 | 1550 | 2.0 | 23 | 0 | |
| 115 | 26.4 | 220 | 10.0 | 24 | 0 | 1555 | 2.0 | 24 | 0 | |
| 120 | 26.4 | 225 | 9.9 | 25 | 0 | 1560 | 2.0 | 25 | 0 | |
| 125 | 26.4 | 230 | 9.8 | 26 | 0 | 1565 | 2.0 | 26 | 0 | |
| 130 | 26.4 | 235 | 9.7 | 27 | 0 | 1570 | 2.0 | 27 | 0 | |
| 135 | 26.4 | 240 | 9.6 | 28 | 0 | 1575 | 2.0 | 28 | 0 | |
| 140 | 26.4 | 245 | 9.5 | 29 | 0 | 1580 | 2.0 | 29 | 0 | |
| 145 | 26.4 | 250 | 9.4 | 30 | 0 | 1585 | 2.0 | 30 | 0 | |
| 150 | 26.4 | 255 | 9.3 | 31 | 0 | 1590 | 2.0 | 31 | 0 | |
| 155 | 26.4 | 260 | 9.2 | 32 | 0 | 1595 | 2.0 | 32 | 0 | |
| 160 | 26.4 | 265 | 9.1 | 33 | 0 | 1600 | 2.0 | 33 | 0 | |
| 165 | 26.4 | 270 | 9.0 | 34 | 0 | 1605 | 2.0 | 34 | 0 | |
| 170 | 26.4 | 275 | 8.9 | 35 | 0 | 1610 | 2.0 | 35 | 0 | |
| 175 | 26.4 | 280 | 8.8 | 36 | 0 | 1615 | 2.0 | 36 | 0 | |
| 180 | 26.4 | 285 | 8.7 | 37 | 0 | 1620 | 2.0 | 37 | 0 | |
| 185 | 26.4 | 290 | 8.6 | 38 | 0 | 1625 | 2.0 | 38 | 0 | |
| 190 | 26.4 | 295 | 8.5 | 39 | 0 | 1630 | 2.0 | 39 | 0 | |
| 195 | 26.4 | 300 | 8.4 | 40 | 0 | 1635 | 2.0 | 40 | 0 | |
| 200 | 26.4 | 305 | 8.3 | 41 | 0 | 1640 | 2.0 | 41 | 0 | |
| 205 | 26.4 | 310 | 8.2 | 42 | 0 | 1645 | 2.0 | 42 | 0 | |
| 210 | 26.4 | 315 | 8.1 | 43 | 0 | 1650 | 2.0 | 43 | 0 | |
| 215 | 26.4 | 320 | 8.0 | 44 | 0 | 1655 | 2.0 | 44 | 0 | |
| 220 | 26.4 | 325 | 7.9 | 45 | 0 | 1660 | 2.0 | 45 | 0 | |
| 225 | 26.4 | 330 | 7.8 | 46 | 0 | 1665 | 2.0 | 46 | 0 | |
| 230 | 26.4 | 335 | 7.7 | 47 | 0 | 1670 | 2.0 | 47 | 0 | |
| 235 | 26.4 | 340 | 7.6 | 48 | 0 | 1675 | 2.0 | 48 | 0 | |
| 240 | 26.4 | 345 | 7.5 | 49 | 0 | 1680 | 2.0 | 49 | 0 | |
| 245 | 26.4 | 350 | 7.4 | 50 | 0 | 1685 | 2.0 | 50 | 0 | |
| 250 | 26.4 | 355 | 7.3 | 51 | 0 | 1690 | 2.0 | 51 | 0 | |
| 255 | 26.4 | 360 | 7.2 | 52 | 0 | 1695 | 2.0 | 52 | 0 | |
| 260 | 26.4 | 365 | 7.1 | 53 | 0 | 1700 | 2.0 | 53 | 0 | |
| 265 | 26.4 | 370 | 7.0 | 54 | 0 | 1705 | 2.0 | 54 | 0 | |
| 270 | 26.4 | 375 | 6.9 | 55 | 0 | 1710 | 2.0 | 55 | 0 | |
| 275 | 26.4 | 380 | 6.8 | 56 | 0 | 1715 | 2.0 | 56 | 0 | |
| 280 | 26.4 | 385 | 6.7 | 57 | 0 | 1720 | 2.0 | 57 | 0 | |
| 285 | 26.4 | 390 | 6.6 | 58 | 0 | 1725 | 2.0 | 58 | 0 | |
| 290 | 26.4 | 395 | 6.5 | 59 | 0 | 1730 | 2.0 | 59 | 0 | |
| 295 | 26.4 | 400 | 6.4 | 60 | 0 | 1735 | 2.0 | 60 | 0 | |
| 300 | 26.4 | 405 | 6.3 | 61 | 0 | 1740 | 2.0 | 61 | 0 | |
| 305 | 26.4 | 410 | 6.2 | 62 | 0 | 1745 | 2.0 | 62 | 0 | |
| 310 | 26.4 | 415 | 6.1 | 63 | 0 | 1750 | 2.0 | 63 | 0 | |
| 315 | 26.4 | 420 | 6.0 | 64 | 0 | 1755 | 2.0 | 64 | 0 | |
| 320 | 26.4 | 425 | 5.9 | 65 | 0 | 1760 | 2.0 | 65 | 0 | |
| 325 | 26.4 | 430 | 5.8 | 66 | 0 | 1765 | 2.0 | 66 | 0 | |
| 330 | 26.4 | 435 | 5.7 | 67 | 0 | 1770 | 2.0 | 67 | 0 | |
| 335 | 26.4 | 440 | 5.6 | 68 | 0 | 1775 | 2.0 | 68 | 0 | |
| 340 | 26.4 | 445 | 5.5 | 69 | 0 | 1780 | 2.0 | 69 | 0 | |
| 345 | 26.4 | 450 | 5.4 | 70 | 0 | 1785 | 2.0 | 70 | 0 | |
| 350 | 26.4 | 455 | 5.3 | 71 | 0 | 1790 | 2.0 | 71 | 0 | |
| 355 | 26.4 | 460 | 5.2 | 72 | 0 | 1795 | 2.0 | 72 | 0 | |
| 360 | 26.4 | 465 | 5.1 | 73 | 0 | 1800 | 2.0 | 73 | 0 | |
| 365 | 26.4 | 470 | 5.0 | 74 | 0 | 1805 | 2.0 | 74 | 0 | |
| 370 | 26.4 | 475 | 4.9 | 75 | 0 | 1810 | 2.0 | 75 | 0 | |
| 375 | 26.4 | 480 | 4.8 | 76 | 0 | 1815 | 2.0 | 76 | 0 | |
| 380 | 26.4 | 485 | 4.7 | 77 | 0 | 1820 | 2.0 | 77 | 0 | |
| 385 | 26.4 | 490 | 4.6 | 78 | 0 | 1825 | 2.0 | 78 | 0 | |
| 390 | 26.4 | 495 | 4.5 | 79 | 0 | 1830 | 2.0 | 79 | 0 | |
| 395 | 26.4 | 500 | 4.4 | 80 | 0 | 1835 | 2.0 | 80 | 0 | |
| 400 | 26.4 | 505 | 4.3 | 81 | 0 | 1840 | 2.0 | 81 | 0 | |
| 405 | 26.4 | 510 | 4.2 | 82 | 0 | 1845 | 2.0 | 82 | 0 | |
| 410 | 26.4 | 515 | 4.1 | 83 | 0 | 1850 | 2.0 | 83 | 0 | |
| 415 | 26.4 | 520 | 4.0 | 84 | 0 | 1855 | 2.0 | 84 | 0 | |
| 420 | 26.4 | 525 | 3.9 | 85 | 0 | 1860 | 2.0 | 85 | 0 | |
| 425 | 26.4 | 530 | 3.8 | 86 | 0 | 1865 | 2.0 | 86 | 0 | |
| 430 | 26.4 | 535 | 3.7 | 87 | 0 | 1870 | 2.0 | 87 | 0 | |
| 435 | 26.4 | 540 | 3.6 | 88 | 0 | 1875 | 2.0 | 88 | 0 | |
| 440 | 26.4 | 545 | 3.5 | 89 | 0 | 1880 | 2.0 | 89 | 0 | |
| 445 | 26.4 | 550 | 3.4 | 90 | 0 | 1885 | 2.0 | 90 | 0 | |
| 450 | 26.4 | 555 | 3.3 | 91 | 0 | 1890 | 2.0 | 91 | 0 | |
| 455 | 26.4 | 560 | 3.2 | 92 | 0 | 1895 | 2.0 | 92 | 0 | |
| 460 | 26.4 | 565 | 3.1 | 93 | 0 | 1900 | 2.0 | 93 | 0 | |
| 465 | 26.4 | 570 | 3.0 | 94 | 0 | 1905 | 2.0 | 94 | 0 | |
| 470 | 26.4 | 575 | 2.9 | 95 | 0 | 1910 | 2.0 | 95 | 0 | |
| 475 | 26.4 | 580 | 2.8 | 96 | 0 | 1915 | 2.0 | 96 | 0 | |
| 480 | 26.4 | 585 | 2.7 | 97 | 0 | 1920 | 2.0 | 97 | 0 | |
| 485 | 26.4 | 590 | 2.6 | 98 | 0 | 1925 | 2.0 | 98 | 0 | |
| 490 | 26.4 | 595 | 2.5 | 99 | 0 | 1930 | 2.0 | 99 | 0 | |
| 495 | 26.4 | 600 | 2.4 | 100 | 0 | 1935 | 2.0 | 100 | 0 | |
| 500 | 26.4 | 605 | 2.3 | 101 | 0 | 1940 | 2.0 | 101 | 0 | |
| 505 | 26.4 | 610 | 2.2 | 102 | 0 | 1945 | 2.0 | 102 | 0 | |
| 510 | 26.4 | 615 | 2.1 | 103 | 0 | 1950 | 2.0 | 103 | 0 | |
| 515 | 26.4 | 620 | 2.0 | 104 | 0 | 1955 | 2.0 | 104 | 0 | |
| 520 | 26.4 | 625 | 1.9 | 105 | 0 | 1960 | 2.0 | 105 | 0 | |
| 525 | 26.4 | 630 | 1.8 | 106 | 0 | 1965 | 2.0 | 106 | 0 | |
| 530 | 26.4 | 635 | 1.7 | 107 | 0 | 1970 | 2.0 | 107 | 0 | |
| 535 | 26.4 | 640 | 1.6 | 108 | 0 | 1975 | 2.0 | 108 | 0 | |
| 540 | 26.4 | 645 | 1.5 | 109 | 0 | 1980 | 2.0 | 109 | 0 | |
| 545 | 26.4 | 650 | 1.4 | 110 | 0 | 1985 | 2.0 | 110 | 0 | |
| 550 | 26.4 | 655 | 1.3 | 111 | 0 | 1990 | 2.0 | 111 | 0 | |
| 555 | 26.4 | 660 | 1.2 | 112 | 0 | 1995 | 2.0 | 112 | 0 | |
| 560 | 26.4 | 665 | 1.1 | 113 | 0 | 2000 | 2.0 | 113 | 0 | |
| 565 | 26.4 | 670 | 1.0 | 114 | 0 | 2005 | 2.0 | 114 | 0 | |
| 570 | 26.4 | 675 | 0.9 | 115 | 0 | 2010 | 2.0 | 115 | 0 | |
| 575 | 26.4 | 680 | 0.8 | 116 | 0 | 2015 | 2.0 | 116 | 0 | |
| 580 | 26.4 | 685 | 0.7 | 117 | 0 | 2020 | 2.0 | 117 | 0 | |
| 585 | 26.4 | 690 | 0.6 | 118 | 0 | 2025 | 2.0 | 118 | 0 | |
| 590 | 26.4 | 695 | 0.5 | 119 | 0 | 2030 | 2.0 | 119 | 0 | |
| 595 | 26.4 | 700 | 0.4 | 120 | 0 | 2035 | 2.0 | 120 | 0 | |
| 600 | 26.4 | 705 | 0.3 | 121 | 0 | 2040 | 2.0 | 121 | 0 | |
| 605 | 26.4 | 710 | 0.2 | 122 | 0 | 2045 | 2.0 | 122 | 0 | |
| 610 | 26.4 | 715 | 0.1 | 123 | 0 | 2050 | 2.0 | 123 | 0 | |
| 615 | 26.4 | 720 | 0.0 | 124 | 0 | 2055 | 2.0 | 124 | 0 | |
| 620 | 26.4 | 725 | 0.0 | 125 | 0 | 2060 | 2.0 | 125 | 0 | |
| 625 | 26.4 | 730 | 0.0 | 126 | 0 | 2065 | 2.0 | 126 | 0 | |
| 630 | 26.4 | 735 | 0.0 | 127 | 0 | 2070 | 2.0 | 127 | 0 | |
| 635 | 26.4 | 740 | 0.0 | 128 | 0 | 2075 | 2.0 | 128 | 0 | |
| 640 | 26.4 | 745 | 0.0 | 129 | 0 | 2080 | 2.0 | 129 | 0 | |
| 645 | 26.4 | 750 | 0.0 | 130 | 0 | 2085 | 2.0 | 130 | 0 | |
| 650 | 26.4 | 755 | 0.0 | 131 | 0 | 2090 | 2.0 | 131 | 0 | |
| 655 | 26.4 | 760 | 0.0 | 132 | 0 | 2095 | 2.0 | 132 | 0 | |
| 660 | 26.4 | 765 | 0.0 | 133 | 0 | 2100 | 2.0 | 133 | 0 | |
| 665 | 26.4 | 770 | 0.0 | 134 | 0 | 2105 | 2.0 | 134 | 0 | |
| 670 | 26.4 | 775 | 0.0 | 135 | 0 | 2110 | 2.0 | 135 | 0 | |
| 675 | 26.4 | 780 | 0.0 | 136 | 0 | 2115 | 2.0 | 136 | 0 | |
| 680 | 26.4 | 785 | 0.0 | 137 | 0 | 2120 | 2.0 | 137 | 0 | |
| 685 | 26.4 | 790 | 0.0 | 138 | 0 | 2125 | 2.0 | 138 | 0 | |
| 690 | 26.4 | 795 | 0.0 | 139 | 0 | 2130 | 2.0 | 139 | 0 | |
| 695 | 26.4 | 800 | 0.0 | 140 | 0 | 2135 | 2.0 | 140 | 0 | |
| 700 | 26.4 | 805 | 0.0 | 141 | 0 | 2140 | 2.0 | 141 | 0 | |
| 705 | 26.4 | 810 | 0.0 | 142 | 0 | 2145 | 2.0 | 142 | 0 | |
| 710 | 26.4 | 815 | 0.0 | 143 | 0 | 2150 | 2.0 | 143 | 0 | |
| 715 | 26.4 | 820 | 0.0 | 144 | 0 | 2155 | 2.0 | 144 | 0 | |
| 720 | 26.4 | 825 | 0.0 | 145 | 0 | 2160 | 2.0 | 145 | 0 | |
| 725 | 26.4 | 830 | 0.0 | 146 | 0 | 2165 | 2.0 | 146 | 0 | |
| 730 | 26.4 | 835 | 0.0 | 147 | 0 | 2170 | 2.0 | 147 | 0 | |
| 735 | 26.4 | 840 | 0.0 | 148 | 0 | 2175 | 2.0 | 148 | 0 | |
| 740 | 26.4 | 845 | 0.0 | 149 | 0 | 2180 | 2.0 | 149</ | | |

XBT LAY TIME TYPE
7 239 13 0 7

| | | | | | | | | | | | | | | | | | | |
|---|----|------|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Z | 0 | 26.0 | 84 | 15.3 | 166 | 12.1 | 253 | 11.8 | 338 | 10.7 | 422 | 9.4 | 504 | 7.4 | 675 | 4.4 | 715 | 3.6 |
| T | 5 | 26.0 | 89 | 15.0 | 173 | 12.0 | 258 | 11.7 | 342 | 10.6 | 427 | 9.3 | 511 | 7.3 | 680 | 4.4 | 713 | 3.7 |
| Z | 9 | 26.0 | 94 | 14.9 | 178 | 12.0 | 263 | 11.6 | 347 | 10.6 | 431 | 9.2 | 516 | 7.2 | 685 | 4.3 | 713 | 3.6 |
| T | 14 | 25.9 | 98 | 14.6 | 182 | 12.0 | 267 | 11.6 | 352 | 10.5 | 436 | 9.1 | 520 | 7.1 | 689 | 4.3 | 708 | 3.8 |
| Z | 19 | 25.9 | 103 | 14.4 | 186 | 12.0 | 272 | 11.5 | 356 | 10.4 | 441 | 9.0 | 525 | 7.0 | 694 | 4.1 | 703 | 3.9 |
| T | 23 | 25.8 | 108 | 14.3 | 192 | 12.0 | 277 | 11.4 | 361 | 10.4 | 445 | 8.9 | 530 | 6.9 | 699 | 4.1 | 708 | 3.8 |
| Z | 28 | 25.5 | 113 | 14.2 | 197 | 12.0 | 281 | 11.4 | 366 | 10.3 | 450 | 8.8 | 535 | 6.8 | 703 | 3.9 | 713 | 3.7 |
| T | 33 | 24.8 | 117 | 14.1 | 202 | 12.0 | 286 | 11.3 | 370 | 10.2 | 455 | 8.7 | 539 | 6.6 | 708 | 3.8 | 713 | 3.6 |
| Z | 38 | 23.8 | 122 | 14.0 | 206 | 12.0 | 291 | 11.2 | 375 | 10.1 | 460 | 8.6 | 544 | 6.5 | 713 | 3.7 | 713 | 3.6 |
| T | 42 | 21.5 | 127 | 13.8 | 211 | 12.0 | 295 | 11.2 | 380 | 10.1 | 464 | 8.5 | 549 | 6.4 | 713 | 3.7 | 713 | 3.6 |
| Z | 47 | 20.1 | 131 | 13.7 | 216 | 12.0 | 300 | 11.1 | 385 | 10.0 | 469 | 8.4 | 553 | 6.2 | 713 | 3.7 | 713 | 3.6 |
| T | 52 | 16.2 | 136 | 13.6 | 221 | 12.0 | 305 | 11.1 | 389 | 9.9 | 474 | 8.2 | 558 | 6.1 | 713 | 3.7 | 713 | 3.6 |
| Z | 56 | 18.4 | 141 | 13.5 | 226 | 12.0 | 309 | 11.1 | 394 | 9.9 | 478 | 8.1 | 563 | 5.9 | 713 | 3.7 | 713 | 3.6 |
| T | 61 | 17.8 | 145 | 13.4 | 231 | 12.0 | 314 | 11.0 | 399 | 9.8 | 483 | 8.0 | 567 | 5.8 | 713 | 3.7 | 713 | 3.6 |
| Z | 66 | 17.3 | 150 | 13.3 | 236 | 12.0 | 319 | 11.0 | 403 | 9.7 | 488 | 7.9 | 572 | 5.7 | 713 | 3.7 | 713 | 3.6 |
| T | 70 | 16.7 | 155 | 13.2 | 241 | 12.0 | 324 | 10.9 | 408 | 9.7 | 492 | 7.8 | 577 | 5.7 | 713 | 3.7 | 713 | 3.6 |
| Z | 75 | 16.1 | 159 | 13.2 | 246 | 12.0 | 329 | 10.9 | 413 | 9.6 | 497 | 7.7 | 581 | 5.6 | 713 | 3.7 | 713 | 3.6 |
| T | 80 | 15.7 | 164 | 13.1 | 251 | 12.0 | 333 | 10.8 | 417 | 9.5 | 502 | 7.5 | 586 | 5.6 | 713 | 3.7 | 713 | 3.6 |

[illegible]

XYT LAY TIME TYPE
9 240 2030 5

| | | | | | | | | | | | | | | | | | |
|---|-----|------|------|------|-----|-----|-----|------|-----|------|-----|-----|-----|------|-----|------|-----|
| 2 | 0 | 26.1 | 1805 | 12.9 | 9.9 | 615 | 6.2 | 820 | 4.1 | 1035 | 5.5 | 2.0 | 2.7 | 1435 | 2.2 | 1640 | 2.1 |
| 1 | 5 | 26.1 | 1810 | 12.9 | 9.9 | 620 | 6.1 | 825 | 4.1 | 1035 | 5.5 | 2.0 | 2.7 | 1440 | 2.2 | 1645 | 2.1 |
| 2 | 10 | 26.2 | 1820 | 12.7 | 9.8 | 625 | 6.1 | 830 | 4.0 | 1040 | 5.5 | 2.0 | 2.7 | 1445 | 2.2 | 1650 | 2.1 |
| 1 | 15 | 26.2 | 1825 | 12.7 | 9.8 | 630 | 6.0 | 835 | 4.0 | 1040 | 5.5 | 2.0 | 2.7 | 1450 | 2.2 | 1655 | 2.1 |
| 2 | 20 | 26.3 | 1830 | 12.6 | 9.7 | 635 | 5.9 | 840 | 4.0 | 1045 | 5.5 | 2.0 | 2.7 | 1455 | 2.2 | 1660 | 2.0 |
| 1 | 25 | 26.3 | 1835 | 12.6 | 9.7 | 640 | 5.8 | 845 | 4.0 | 1045 | 5.5 | 2.0 | 2.7 | 1460 | 2.2 | 1665 | 2.0 |
| 2 | 30 | 26.4 | 1840 | 12.5 | 9.6 | 645 | 5.7 | 850 | 3.9 | 1050 | 5.5 | 2.0 | 2.7 | 1465 | 2.2 | 1670 | 2.0 |
| 1 | 35 | 26.4 | 1845 | 12.4 | 9.6 | 650 | 5.6 | 855 | 3.9 | 1050 | 5.5 | 2.0 | 2.7 | 1470 | 2.2 | 1675 | 2.0 |
| 2 | 40 | 26.5 | 1850 | 12.4 | 9.5 | 655 | 5.6 | 860 | 3.9 | 1055 | 5.5 | 2.0 | 2.6 | 1475 | 2.2 | 1680 | 2.0 |
| 1 | 45 | 26.5 | 1855 | 12.3 | 9.4 | 660 | 5.5 | 865 | 3.9 | 1055 | 5.5 | 2.0 | 2.6 | 1480 | 2.2 | 1685 | 2.0 |
| 2 | 50 | 26.7 | 1860 | 12.2 | 9.3 | 665 | 5.5 | 870 | 3.9 | 1055 | 5.5 | 2.0 | 2.6 | 1485 | 2.2 | 1690 | 2.0 |
| 1 | 55 | 26.7 | 1865 | 12.1 | 9.2 | 670 | 5.4 | 875 | 3.8 | 1060 | 5.5 | 2.0 | 2.6 | 1490 | 2.2 | 1695 | 2.0 |
| 2 | 60 | 26.8 | 1870 | 12.0 | 9.2 | 675 | 5.4 | 880 | 3.8 | 1060 | 5.5 | 2.0 | 2.6 | 1495 | 2.2 | 1700 | 2.0 |
| 1 | 65 | 26.8 | 1875 | 11.9 | 9.1 | 680 | 5.3 | 885 | 3.8 | 1060 | 5.5 | 2.0 | 2.6 | 1500 | 2.2 | 1705 | 2.0 |
| 2 | 70 | 26.9 | 1880 | 11.9 | 9.1 | 685 | 5.2 | 890 | 3.8 | 1065 | 5.5 | 2.0 | 2.6 | 1505 | 2.2 | 1710 | 2.0 |
| 1 | 75 | 26.9 | 1885 | 11.8 | 9.0 | 690 | 5.1 | 895 | 3.7 | 1100 | 5.5 | 2.0 | 2.6 | 1510 | 2.2 | 1715 | 2.0 |
| 2 | 80 | 26.9 | 1890 | 11.8 | 9.0 | 695 | 5.1 | 900 | 3.7 | 1100 | 5.5 | 2.0 | 2.6 | 1515 | 2.2 | 1720 | 2.0 |
| 1 | 85 | 26.9 | 1895 | 11.8 | 8.9 | 700 | 5.0 | 905 | 3.7 | 1100 | 5.5 | 2.0 | 2.5 | 1520 | 2.2 | 1725 | 2.0 |
| 2 | 90 | 26.9 | 1900 | 11.7 | 8.9 | 705 | 4.9 | 910 | 3.7 | 1100 | 5.5 | 2.0 | 2.5 | 1525 | 2.2 | 1730 | 2.0 |
| 1 | 95 | 26.9 | 1905 | 11.7 | 8.8 | 710 | 4.9 | 915 | 3.7 | 1100 | 5.5 | 2.0 | 2.5 | 1530 | 2.2 | 1735 | 1.9 |
| 2 | 100 | 26.9 | 1910 | 11.6 | 8.7 | 715 | 4.8 | 920 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1535 | 2.2 | 1740 | 1.9 |
| 1 | 105 | 26.9 | 1915 | 11.6 | 8.6 | 720 | 4.8 | 925 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1540 | 2.2 | 1745 | 1.9 |
| 2 | 110 | 26.9 | 1920 | 11.5 | 8.5 | 725 | 4.8 | 930 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1545 | 2.2 | 1750 | 1.9 |
| 1 | 115 | 26.9 | 1925 | 11.5 | 8.4 | 730 | 4.7 | 935 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1550 | 2.2 | 1755 | 1.9 |
| 2 | 120 | 26.9 | 1930 | 11.4 | 8.3 | 735 | 4.7 | 940 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1555 | 2.2 | 1760 | 1.9 |
| 1 | 125 | 26.9 | 1935 | 11.3 | 8.2 | 740 | 4.6 | 945 | 3.6 | 1100 | 5.5 | 2.0 | 2.5 | 1560 | 2.2 | 1765 | 1.9 |
| 2 | 130 | 26.9 | 1940 | 11.2 | 8.1 | 745 | 4.6 | 950 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1565 | 2.2 | 1770 | 1.9 |
| 1 | 135 | 26.9 | 1945 | 11.1 | 8.0 | 750 | 4.5 | 955 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1570 | 2.2 | 1775 | 1.9 |
| 2 | 140 | 26.9 | 1950 | 11.0 | 7.9 | 755 | 4.5 | 960 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1575 | 2.2 | 1780 | 1.9 |
| 1 | 145 | 26.9 | 1955 | 10.9 | 7.8 | 760 | 4.5 | 965 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1580 | 2.2 | 1785 | 1.9 |
| 2 | 150 | 26.9 | 1960 | 10.8 | 7.7 | 765 | 4.5 | 970 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1585 | 2.2 | 1790 | 1.9 |
| 1 | 155 | 26.9 | 1965 | 10.7 | 7.6 | 770 | 4.4 | 975 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1590 | 2.2 | 1795 | 1.9 |
| 2 | 160 | 26.9 | 1970 | 10.6 | 7.5 | 775 | 4.4 | 980 | 3.5 | 1100 | 5.5 | 2.0 | 2.5 | 1595 | 2.2 | 1800 | 1.9 |
| 1 | 165 | 26.9 | 1975 | 10.5 | 7.4 | 780 | 4.4 | 985 | 3.4 | 1100 | 5.5 | 2.0 | 2.5 | 1600 | 2.2 | 1805 | 1.9 |
| 2 | 170 | 26.9 | 1980 | 10.4 | 7.3 | 785 | 4.3 | 990 | 3.4 | 1100 | 5.5 | 2.0 | 2.5 | 1605 | 2.2 | 1810 | 1.9 |
| 1 | 175 | 26.9 | 1985 | 10.4 | 7.2 | 790 | 4.3 | 995 | 3.4 | 1100 | 5.5 | 2.0 | 2.5 | 1610 | 2.2 | 1815 | 1.9 |
| 2 | 180 | 26.9 | 1990 | 10.3 | 7.1 | 795 | 4.3 | 1000 | 3.4 | 1200 | 5.5 | 2.0 | 2.5 | 1615 | 2.2 | 1820 | 1.9 |
| 1 | 185 | 26.9 | 1995 | 10.2 | 7.0 | 800 | 4.2 | 1005 | 3.4 | 1200 | 5.5 | 2.0 | 2.5 | 1620 | 2.2 | 1825 | 1.9 |
| 2 | 190 | 26.9 | 2000 | 10.1 | 6.9 | 805 | 4.2 | 1010 | 3.4 | 1200 | 5.5 | 2.0 | 2.5 | 1625 | 2.2 | 1830 | 1.9 |
| 1 | 195 | 26.9 | 2005 | 10.1 | 6.8 | 810 | 4.1 | 1015 | 3.3 | 1200 | 5.5 | 2.0 | 2.5 | 1630 | 2.2 | 1835 | 1.9 |
| 2 | 200 | 26.9 | 2010 | 10.0 | 6.7 | 815 | 4.1 | 1020 | 3.3 | 1200 | 5.5 | 2.0 | 2.5 | 1635 | 2.2 | 1840 | 1.9 |

XBT-LAY TIME TYPE
10 241 2 0 7

| | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2 | 0 | 26.1 | 1 | 106 | 11.7 | 253 | 10.6 | 338 | 9.6 | 422 | 7.8 | 506 | 6.0 | 591 | 4.5 | 675 | 4.0 |
| 5 | 25.9 | 89 | 13.4 | 172 | 11.7 | 258 | 10.7 | 342 | 9.5 | 427 | 7.8 | 511 | 5.9 | 596 | 4.4 | 680 | 4.0 |
| 9 | 25.8 | 94 | 13.2 | 178 | 11.6 | 263 | 10.7 | 347 | 9.4 | 431 | 7.7 | 516 | 5.8 | 600 | 4.4 | 685 | 4.0 |
| 14 | 25.7 | 98 | 13.1 | 183 | 11.6 | 267 | 10.6 | 352 | 9.3 | 436 | 7.6 | 520 | 5.6 | 605 | 4.3 | 689 | 3.9 |
| 19 | 25.6 | 103 | 12.8 | 188 | 11.6 | 272 | 10.5 | 356 | 9.2 | 441 | 7.5 | 525 | 5.5 | 610 | 4.3 | 694 | 3.9 |
| 23 | 23.8 | 108 | 12.6 | 193 | 11.5 | 277 | 10.5 | 361 | 9.1 | 445 | 7.4 | 530 | 5.4 | 614 | 4.0 | 699 | 3.9 |
| 28 | 20.8 | 113 | 12.7 | 197 | 11.5 | 281 | 10.5 | 366 | 9.1 | 450 | 7.3 | 535 | 5.3 | 619 | 4.0 | 703 | 3.9 |
| 33 | 19.4 | 117 | 12.6 | 202 | 11.4 | 286 | 10.4 | 370 | 8.9 | 455 | 7.2 | 539 | 5.2 | 624 | 4.5 | 708 | 3.8 |
| 38 | 18.0 | 122 | 12.6 | 206 | 11.4 | 291 | 10.4 | 375 | 8.8 | 460 | 7.0 | 544 | 5.2 | 628 | 4.5 | 713 | 3.8 |
| 42 | 17.4 | 127 | 12.5 | 211 | 11.3 | 295 | 10.3 | 380 | 8.7 | 464 | 6.9 | 549 | 5.1 | 633 | 4.4 | 715 | 3.8 |
| 47 | 17.0 | 131 | 12.5 | 216 | 11.3 | 300 | 10.2 | 385 | 8.6 | 469 | 6.8 | 553 | 5.0 | 638 | 4.4 | | |
| 52 | 16.3 | 136 | 12.4 | 221 | 11.2 | 305 | 10.1 | 389 | 8.5 | 474 | 6.7 | 558 | 5.0 | 642 | 4.3 | | |
| 56 | 15.9 | 141 | 12.3 | 226 | 11.2 | 309 | 10.0 | 394 | 8.4 | 478 | 6.5 | 563 | 4.9 | 647 | 4.3 | | |
| 61 | 15.5 | 145 | 12.2 | 231 | 11.1 | 314 | 10.0 | 399 | 8.3 | 483 | 6.3 | 567 | 4.8 | 652 | 4.2 | | |
| 66 | 15.1 | 150 | 12.1 | 236 | 11.1 | 319 | 9.9 | 403 | 8.2 | 488 | 6.2 | 572 | 4.8 | 656 | 4.2 | | |
| 70 | 14.7 | 155 | 12.0 | 241 | 11.0 | 324 | 9.8 | 408 | 8.1 | 492 | 6.1 | 577 | 4.7 | 661 | 4.1 | | |
| 75 | 14.3 | 159 | 11.9 | 246 | 10.9 | 329 | 9.7 | 413 | 8.0 | 497 | 6.1 | 581 | 4.6 | 666 | 4.1 | | |
| 80 | 13.8 | 164 | 11.8 | 251 | 10.9 | 333 | 9.6 | 417 | 7.9 | 502 | 6.0 | 586 | 4.5 | 671 | 4.1 | | |

XBT DAY TIME TYPE
11 241 0 0 7

| | | | | | | | | | | | | | | | |
|---|----|------|---|------|------|---|-----|---|-----|---|---|-----|---|-----|---|
| Z | 0 | 25.9 | T | 1 | 14.1 | Z | 84 | T | 1 | 1 | Z | 25 | T | 1 | 1 |
| | 5 | 25.9 | | 13.9 | | | 89 | | 5.1 | | | 480 | | 5.1 | |
| | 9 | 25.9 | | 13.8 | | | 94 | | 5.0 | | | 485 | | 5.0 | |
| | 19 | 25.9 | | 13.7 | | | 103 | | 4.9 | | | 489 | | 4.9 | |
| | 23 | 25.9 | | 13.6 | | | 108 | | 4.8 | | | 494 | | 4.8 | |
| | 28 | 25.9 | | 13.5 | | | 113 | | 4.8 | | | 499 | | 4.8 | |
| | 33 | 25.2 | | 13.4 | | | 117 | | 4.7 | | | 703 | | 4.7 | |
| | 38 | 26.2 | | 13.3 | | | 122 | | 4.7 | | | 708 | | 4.7 | |
| | 42 | 17.8 | | 13.1 | | | 127 | | 4.6 | | | 713 | | 4.6 | |
| | 47 | 16.9 | | 13.0 | | | 131 | | 4.5 | | | 715 | | 4.5 | |
| | 52 | 16.4 | | 12.9 | | | 136 | | 4.5 | | | | | | |
| | 56 | 16.1 | | 12.7 | | | 141 | | 4.4 | | | | | | |
| | 61 | 15.7 | | 12.6 | | | 145 | | 4.4 | | | | | | |
| | 66 | 15.3 | | 12.5 | | | 150 | | 4.3 | | | | | | |
| | 70 | 15.0 | | 12.4 | | | 155 | | 4.2 | | | | | | |
| | 75 | 14.8 | | 12.4 | | | 159 | | 4.2 | | | | | | |
| | 80 | 14.4 | | 12.1 | | | 164 | | 4.1 | | | | | | |

[illegible]

[illegible]

XBT ICAY TIME TYPE
14:242 14 0 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|-----|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| Z | 0 | 24.6 | T | 84 | 13.5 | Z | 168 | T | 6 | Z | 253 | T | 10.4 | Z | 338 | T | 9.2 | Z | 422 | T | 7.7 | Z | 506 | T | 6.0 | Z | 591 | T | 4.5 | Z | 675 | T | 3.9 |
| 5 | 24.6 | 89 | 13.2 | 172 | 11.6 | 258 | 10.3 | 342 | 9.1 | 427 | 7.6 | 511 | 5.9 | 596 | 4.5 | 680 | 3.8 | | | | | | | | | | | | | | | | |
| 9 | 24.6 | 94 | 13.1 | 178 | 11.5 | 263 | 10.2 | 347 | 9.1 | 431 | 7.5 | 516 | 5.8 | 600 | 4.5 | 685 | 3.8 | | | | | | | | | | | | | | | | |
| 14 | 24.5 | 98 | 13.0 | 182 | 11.4 | 267 | 10.2 | 352 | 9.0 | 436 | 7.4 | 520 | 5.7 | 605 | 4.4 | 689 | 3.7 | | | | | | | | | | | | | | | | |
| 19 | 24.5 | 103 | 12.9 | 188 | 11.3 | 272 | 10.1 | 356 | 8.9 | 441 | 7.3 | 525 | 5.6 | 610 | 4.4 | 694 | 3.6 | | | | | | | | | | | | | | | | |
| 23 | 24.3 | 107 | 12.8 | 192 | 11.2 | 277 | 10.1 | 361 | 8.8 | 445 | 7.2 | 530 | 5.5 | 614 | 4.3 | 699 | 3.6 | | | | | | | | | | | | | | | | |
| 28 | 22.5 | 113 | 12.7 | 197 | 11.1 | 281 | 10.0 | 366 | 8.7 | 450 | 7.1 | 535 | 5.4 | 619 | 4.3 | 703 | 3.5 | | | | | | | | | | | | | | | | |
| 33 | 20.3 | 117 | 12.5 | 202 | 11.0 | 286 | 10.0 | 370 | 8.6 | 455 | 7.0 | 539 | 5.3 | 624 | 4.2 | 708 | 3.5 | | | | | | | | | | | | | | | | |
| 38 | 18.9 | 122 | 12.4 | 208 | 10.9 | 291 | 9.9 | 375 | 8.5 | 460 | 6.9 | 544 | 5.2 | 628 | 4.2 | 713 | 3.4 | | | | | | | | | | | | | | | | |
| 42 | 17.7 | 127 | 12.3 | 211 | 10.8 | 295 | 9.8 | 380 | 8.4 | 464 | 6.8 | 549 | 5.1 | 633 | 4.2 | 715 | 3.3 | | | | | | | | | | | | | | | | |
| 47 | 16.9 | 131 | 12.2 | 216 | 10.7 | 300 | 9.7 | 385 | 8.3 | 469 | 6.7 | 553 | 5.0 | 638 | 4.1 | | | | | | | | | | | | | | | | | | |
| 52 | 16.2 | 136 | 12.1 | 220 | 10.6 | 305 | 9.7 | 389 | 8.2 | 474 | 6.6 | 558 | 4.9 | 642 | 4.1 | | | | | | | | | | | | | | | | | | |
| 56 | 15.7 | 141 | 12.1 | 225 | 10.5 | 309 | 9.7 | 394 | 8.1 | 478 | 6.5 | 563 | 4.8 | 647 | 4.1 | | | | | | | | | | | | | | | | | | |
| 61 | 15.1 | 145 | 12.0 | 228 | 10.4 | 314 | 9.6 | 399 | 8.1 | 483 | 6.4 | 567 | 4.7 | 652 | 4.0 | | | | | | | | | | | | | | | | | | |
| 66 | 14.6 | 150 | 12.0 | 234 | 10.3 | 319 | 9.5 | 403 | 8.0 | 488 | 6.3 | 572 | 4.7 | 656 | 4.0 | | | | | | | | | | | | | | | | | | |
| 70 | 14.0 | 155 | 11.9 | 239 | 10.2 | 324 | 9.4 | 408 | 7.9 | 492 | 6.2 | 577 | 4.6 | 661 | 3.9 | | | | | | | | | | | | | | | | | | |
| 75 | 13.7 | 159 | 11.8 | 244 | 10.1 | 329 | 9.4 | 413 | 7.9 | 497 | 6.1 | 581 | 4.6 | 666 | 3.9 | | | | | | | | | | | | | | | | | | |
| 80 | 13.5 | 164 | 11.7 | 249 | 10.0 | 333 | 9.3 | 417 | 7.8 | 502 | 6.0 | 586 | 4.6 | 671 | 3.9 | | | | | | | | | | | | | | | | | | |

[illegible]

XBT LAY TIME TYPE
16:23 2 0 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|-----|------|-----|------|------|-----|------|-----|------|
| Z | 0 | 24.3 | T | 04 | 12.1 | Z | 199 | 10.7 | T | 09 | 330 | T | 5 | 422 | T | 6.5 | Z | 506 | T | 5.1 | Z | 591 | T | 04.2 | Z | 675 | T | 03.4 |
| 5 | 24.0 | 04 | 12.0 | 89 | 11.9 | 172 | 10.6 | 9.8 | 332 | 8.4 | 427 | 6.5 | 511 | 5.1 | 596 | 04.1 | 680 | 03.4 | 5.1 | 600 | 04.1 | 685 | 03.4 | 5.1 | 689 | 03.4 | 5.1 | |
| 14 | 23.5 | 08 | 11.8 | 98 | 11.8 | 182 | 10.6 | 9.7 | 347 | 8.2 | 431 | 6.4 | 516 | 5.0 | 605 | 04.0 | 689 | 03.4 | 5.0 | 610 | 04.0 | 694 | 03.3 | 5.0 | 703 | 03.3 | 5.0 | |
| 23 | 22.0 | 103 | 11.6 | 108 | 11.5 | 192 | 10.4 | 9.6 | 356 | 8.1 | 441 | 6.2 | 525 | 4.9 | 614 | 04.0 | 699 | 03.3 | 4.9 | 619 | 03.9 | 708 | 03.2 | 4.9 | 713 | 03.2 | 4.9 | |
| 38 | 21.1 | 112 | 11.3 | 113 | 11.3 | 199 | 10.4 | 9.4 | 366 | 7.9 | 445 | 6.1 | 530 | 4.8 | 624 | 03.8 | 703 | 03.3 | 4.8 | 628 | 03.8 | 713 | 03.2 | 4.8 | 715 | 03.2 | 4.8 | |
| 33 | 17.0 | 117 | 11.1 | 122 | 11.1 | 202 | 10.2 | 9.3 | 370 | 7.8 | 450 | 6.0 | 539 | 4.7 | 633 | 03.8 | 715 | 03.2 | 4.7 | 638 | 03.8 | 715 | 03.2 | 4.7 | 715 | 03.2 | 4.7 | |
| 30 | 16.1 | 122 | 11.1 | 127 | 11.0 | 211 | 10.2 | 9.2 | 380 | 7.6 | 460 | 5.9 | 544 | 4.6 | 642 | 03.7 | 715 | 03.2 | 4.6 | 647 | 03.7 | 715 | 03.2 | 4.6 | 715 | 03.2 | 4.6 | |
| 42 | 15.3 | 131 | 11.0 | 136 | 11.0 | 216 | 10.1 | 9.1 | 385 | 7.5 | 469 | 5.7 | 549 | 4.5 | 647 | 03.7 | 715 | 03.2 | 4.5 | 652 | 03.6 | 715 | 03.2 | 4.5 | 715 | 03.2 | 4.5 | |
| 47 | 14.0 | 141 | 10.9 | 220 | 10.1 | 226 | 10.1 | 9.1 | 394 | 7.2 | 478 | 5.6 | 550 | 4.5 | 652 | 03.6 | 715 | 03.2 | 4.5 | 656 | 03.5 | 715 | 03.2 | 4.5 | 715 | 03.2 | 4.5 | |
| 56 | 13.5 | 145 | 10.9 | 235 | 10.0 | 233 | 10.0 | 9.0 | 399 | 7.1 | 483 | 5.5 | 563 | 4.4 | 661 | 03.5 | 715 | 03.2 | 4.4 | 666 | 03.5 | 715 | 03.2 | 4.4 | 715 | 03.2 | 4.4 | |
| 61 | 12.2 | 150 | 10.8 | 234 | 10.0 | 234 | 10.0 | 8.9 | 403 | 6.9 | 492 | 5.4 | 572 | 4.3 | 671 | 03.5 | 715 | 03.2 | 4.3 | 671 | 03.5 | 715 | 03.2 | 4.3 | 715 | 03.2 | 4.3 | |
| 66 | 12.0 | 155 | 10.8 | 238 | 10.0 | 238 | 10.0 | 8.8 | 408 | 6.8 | 497 | 5.3 | 577 | 4.2 | 671 | 03.5 | 715 | 03.2 | 4.2 | 671 | 03.5 | 715 | 03.2 | 4.2 | 715 | 03.2 | 4.2 | |
| 70 | 12.4 | 159 | 10.8 | 244 | 9.9 | 244 | 9.9 | 8.7 | 413 | 6.7 | 502 | 5.2 | 581 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 715 | 03.2 | 4.1 | |
| 75 | 12.3 | 164 | 10.8 | 246 | 9.9 | 246 | 9.9 | 8.6 | 417 | 6.7 | 502 | 5.2 | 586 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 715 | 03.2 | 4.1 | |
| 80 | 12.3 | 164 | 10.8 | 246 | 9.9 | 246 | 9.9 | 8.6 | 417 | 6.7 | 502 | 5.2 | 586 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 671 | 03.5 | 715 | 03.2 | 4.1 | 715 | 03.2 | 4.1 | |

XBT LAY TIME TYPE
17 243 0 0 5

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| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
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| Z | 0 | 25.2 | 84 | 14.0 | Y | 0 | 4.0 | T | 0 |
| Z | 5 | 25.2 | 89 | 13.6 | Y | 1 | 4.7 | Z | 675 |
| Z | 9 | 25.2 | 94 | 13.7 | Y | 1 | 4.7 | Z | 680 |
| Z | 14 | 25.1 | 98 | 13.5 | Y | 1 | 4.6 | Z | 685 |
| Z | 19 | 25.1 | 103 | 13.4 | Y | 1 | 4.6 | Z | 689 |
| Z | 23 | 24.7 | 108 | 13.2 | Y | 1 | 4.5 | Z | 694 |
| Z | 26 | 22.6 | 113 | 13.1 | Y | 1 | 4.5 | Z | 699 |
| Z | 33 | 20.0 | 117 | 13.0 | Y | 1 | 4.4 | Z | 703 |
| Z | 38 | 19.1 | 122 | 12.9 | Y | 1 | 4.4 | Z | 708 |
| Z | 42 | 18.3 | 127 | 12.9 | Y | 1 | 4.4 | Z | 713 |
| Z | 47 | 17.7 | 131 | 12.8 | Y | 1 | 4.3 | Z | 715 |
| Z | 52 | 17.0 | 136 | 12.7 | Y | 1 | 4.3 | | |
| Z | 56 | 16.4 | 141 | 12.6 | Y | 1 | 4.2 | | |
| Z | 61 | 15.8 | 145 | 12.6 | Y | 1 | 4.2 | | |
| Z | 66 | 15.2 | 150 | 12.5 | Y | 1 | 4.1 | | |
| Z | 70 | 14.7 | 155 | 12.4 | Y | 1 | 4.1 | | |
| Z | 75 | 14.3 | 159 | 12.3 | Y | 1 | 4.1 | | |
| Z | 80 | 14.3 | 164 | 12.3 | Y | 1 | 4.0 | | |
| Z | 253 | 11.1 | 253 | 11.1 | Y | 1 | 8.1 | Z | 591 |
| Z | 258 | 11.1 | 258 | 11.1 | Y | 1 | 8.1 | Z | 596 |
| Z | 263 | 11.0 | 263 | 11.0 | Y | 1 | 8.0 | Z | 600 |
| Z | 267 | 11.0 | 267 | 11.0 | Y | 1 | 7.9 | Z | 605 |
| Z | 272 | 10.9 | 272 | 10.9 | Y | 1 | 7.9 | Z | 610 |
| Z | 277 | 10.8 | 277 | 10.8 | Y | 1 | 7.8 | Z | 614 |
| Z | 281 | 10.8 | 281 | 10.8 | Y | 1 | 7.7 | Z | 619 |
| Z | 286 | 10.7 | 286 | 10.7 | Y | 1 | 7.5 | Z | 624 |
| Z | 291 | 10.6 | 291 | 10.6 | Y | 1 | 7.4 | Z | 628 |
| Z | 295 | 10.6 | 295 | 10.6 | Y | 1 | 7.3 | Z | 633 |
| Z | 300 | 10.5 | 300 | 10.5 | Y | 1 | 7.2 | Z | 638 |
| Z | 309 | 10.4 | 309 | 10.4 | Y | 1 | 7.1 | Z | 642 |
| Z | 314 | 10.3 | 314 | 10.3 | Y | 1 | 7.0 | Z | 647 |
| Z | 319 | 10.3 | 319 | 10.3 | Y | 1 | 6.8 | Z | 652 |
| Z | 324 | 10.2 | 324 | 10.2 | Y | 1 | 6.7 | Z | 656 |
| Z | 328 | 10.1 | 328 | 10.1 | Y | 1 | 6.6 | Z | 661 |
| Z | 333 | 10.0 | 333 | 10.0 | Y | 1 | 6.5 | Z | 666 |
| Z | 338 | 9.9 | 338 | 9.9 | Y | 1 | 6.4 | Z | 671 |
| Z | 342 | 9.7 | 342 | 9.7 | Y | 1 | 6.3 | | |
| Z | 347 | 9.6 | 347 | 9.6 | Y | 1 | 6.1 | | |
| Z | 352 | 9.5 | 352 | 9.5 | Y | 1 | 5.9 | | |
| Z | 356 | 9.3 | 356 | 9.3 | Y | 1 | 5.9 | | |
| Z | 361 | 9.2 | 361 | 9.2 | Y | 1 | 5.8 | | |
| Z | 366 | 9.2 | 366 | 9.2 | Y | 1 | 5.7 | | |
| Z | 370 | 9.1 | 370 | 9.1 | Y | 1 | 5.6 | | |
| Z | 375 | 9.0 | 375 | 9.0 | Y | 1 | 5.5 | | |
| Z | 380 | 8.9 | 380 | 8.9 | Y | 1 | 5.5 | | |
| Z | 385 | 8.8 | 385 | 8.8 | Y | 1 | 5.4 | | |
| Z | 389 | 8.7 | 389 | 8.7 | Y | 1 | 5.3 | | |
| Z | 394 | 8.6 | 394 | 8.6 | Y | 1 | 5.2 | | |
| Z | 399 | 8.5 | 399 | 8.5 | Y | 1 | 5.1 | | |
| Z | 403 | 8.5 | 403 | 8.5 | Y | 1 | 5.1 | | |
| Z | 408 | 8.4 | 408 | 8.4 | Y | 1 | 5.0 | | |
| Z | 413 | 8.3 | 413 | 8.3 | Y | 1 | 4.9 | | |
| Z | 417 | 8.2 | 417 | 8.2 | Y | 1 | 4.9 | | |

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|---|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| Z | 000 | 25.3 | 098 | 12.9 | 197 | 11.6 | 295 | 10.5 | 394 | 8.5 | 492 | 6.6 | 591 | 5.0 | 689 | 4.0 | 788 | 3.6 | 893 | 2.4 |
| T | 005 | 25.4 | 103 | 12.8 | 202 | 11.5 | 300 | 10.5 | 399 | 8.4 | 497 | 6.5 | 596 | 5.0 | 694 | 3.9 | 792 | 3.5 | 894 | 2.4 |
| Z | 009 | 25.4 | 108 | 12.7 | 206 | 11.5 | 305 | 10.4 | 403 | 8.3 | 502 | 6.4 | 600 | 4.9 | 699 | 3.9 | 802 | 3.5 | 900 | 2.4 |
| T | 014 | 25.3 | 113 | 12.5 | 211 | 11.5 | 309 | 10.3 | 408 | 8.2 | 506 | 6.3 | 605 | 4.9 | 703 | 3.8 | 811 | 3.3 | 907 | 2.4 |
| Z | 019 | 25.1 | 117 | 12.4 | 216 | 11.5 | 314 | 10.2 | 413 | 8.1 | 511 | 6.2 | 610 | 4.8 | 708 | 3.8 | 816 | 3.3 | 913 | 2.4 |
| T | 023 | 24.4 | 122 | 12.3 | 221 | 11.4 | 319 | 10.1 | 417 | 8.0 | 516 | 6.1 | 614 | 4.7 | 713 | 3.7 | 821 | 3.3 | 919 | 2.4 |
| Z | 028 | 23.0 | 127 | 12.2 | 225 | 11.3 | 324 | 9.9 | 422 | 7.9 | 520 | 6.0 | 619 | 4.6 | 717 | 3.7 | 829 | 3.3 | 925 | 2.4 |
| T | 033 | 19.1 | 131 | 12.2 | 230 | 11.3 | 328 | 9.8 | 427 | 7.8 | 525 | 5.9 | 624 | 4.5 | 722 | 3.7 | 835 | 3.4 | 931 | 2.4 |
| Z | 038 | 18.1 | 136 | 12.1 | 234 | 11.2 | 333 | 9.7 | 431 | 7.7 | 530 | 5.8 | 628 | 4.4 | 727 | 3.7 | 841 | 3.4 | 937 | 2.4 |
| T | 042 | 17.5 | 141 | 12.0 | 239 | 11.1 | 338 | 9.6 | 436 | 7.6 | 535 | 5.7 | 633 | 4.3 | 731 | 3.7 | 849 | 3.4 | 943 | 2.4 |
| Z | 047 | 16.8 | 145 | 12.0 | 244 | 11.1 | 342 | 9.5 | 441 | 7.5 | 539 | 5.6 | 638 | 4.2 | 736 | 3.6 | 855 | 3.4 | 949 | 2.4 |
| T | 052 | 16.2 | 150 | 11.9 | 249 | 11.0 | 347 | 9.4 | 445 | 7.4 | 544 | 5.5 | 642 | 4.1 | 741 | 3.6 | 861 | 3.4 | 955 | 2.4 |
| Z | 056 | 15.6 | 155 | 11.8 | 252 | 11.0 | 352 | 9.3 | 450 | 7.3 | 549 | 5.4 | 647 | 4.0 | 746 | 3.6 | 867 | 3.4 | 961 | 2.4 |
| T | 061 | 15.0 | 159 | 11.8 | 258 | 10.9 | 356 | 9.2 | 455 | 7.2 | 553 | 5.3 | 652 | 3.9 | 750 | 3.6 | 873 | 3.4 | 967 | 2.4 |
| Z | 066 | 14.3 | 164 | 11.7 | 263 | 10.8 | 361 | 9.1 | 460 | 7.1 | 558 | 5.2 | 656 | 3.8 | 755 | 3.6 | 879 | 3.4 | 973 | 2.4 |
| T | 070 | 14.2 | 169 | 11.7 | 267 | 10.8 | 366 | 9.0 | 464 | 7.0 | 563 | 5.1 | 661 | 3.7 | 760 | 3.6 | 885 | 3.4 | 979 | 2.4 |
| Z | 075 | 14.0 | 173 | 11.7 | 272 | 10.7 | 370 | 8.9 | 469 | 6.9 | 567 | 5.0 | 666 | 3.6 | 764 | 3.6 | 891 | 3.4 | 985 | 2.4 |
| T | 080 | 13.7 | 178 | 11.6 | 277 | 10.7 | 375 | 8.8 | 474 | 6.8 | 572 | 4.9 | 671 | 3.5 | 769 | 3.6 | 897 | 3.4 | 991 | 2.4 |
| Z | 084 | 13.4 | 183 | 11.6 | 281 | 10.6 | 380 | 8.7 | 478 | 6.7 | 577 | 4.8 | 675 | 3.4 | 774 | 3.6 | 903 | 3.4 | 997 | 2.4 |
| T | 089 | 13.2 | 188 | 11.6 | 286 | 10.6 | 385 | 8.6 | 483 | 6.7 | 581 | 4.7 | 680 | 3.3 | 778 | 3.6 | 909 | 3.4 | 1003 | 2.4 |
| Z | 094 | 13.1 | 192 | 11.6 | 291 | 10.5 | 389 | 8.5 | 488 | 6.7 | 586 | 4.6 | 685 | 3.2 | 783 | 3.6 | 915 | 3.4 | 1009 | 2.4 |

XBT LAY TIME TYPE

20 244 2 0 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|-----|------|---|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|
| Z | 0 | 27.4 | T | 84 | 12.3 | Z | 185 | 11.3 | T | 213 | 11.3 | Z | 253 | 10.2 | T | 328 | 8.7 | Z | 422 | 7.1 | T | 506 | 5.5 | Z | 591 | 4.4 | T | 675 | 3.9 |
| | 5 | 26.6 | | 89 | 12.2 | | 173 | 11.2 | | 89 | 12.1 | | 258 | 10.1 | | 332 | 8.6 | | 427 | 7.0 | | 511 | 5.5 | | 596 | 4.3 | | 680 | 3.8 |
| | 9 | 26.3 | | 94 | 12.1 | | 178 | 11.1 | | 94 | 12.0 | | 263 | 10.1 | | 347 | 8.5 | | 431 | 6.9 | | 516 | 5.4 | | 600 | 4.2 | | 685 | 3.8 |
| | 14 | 26.3 | | 98 | 12.0 | | 182 | 10.9 | | 98 | 11.9 | | 267 | 10.0 | | 352 | 8.4 | | 436 | 6.8 | | 525 | 5.3 | | 605 | 4.1 | | 689 | 3.8 |
| | 19 | 26.3 | | 103 | 11.9 | | 186 | 10.8 | | 103 | 11.8 | | 272 | 9.9 | | 356 | 8.3 | | 441 | 6.7 | | 530 | 5.2 | | 610 | 4.1 | | 694 | 3.8 |
| | 23 | 26.3 | | 108 | 11.8 | | 192 | 10.8 | | 108 | 11.7 | | 277 | 9.8 | | 361 | 8.2 | | 445 | 6.6 | | 535 | 5.1 | | 614 | 4.1 | | 699 | 3.7 |
| | 28 | 25.3 | | 113 | 11.8 | | 197 | 10.8 | | 113 | 11.6 | | 281 | 9.7 | | 366 | 8.1 | | 450 | 6.5 | | 539 | 5.1 | | 619 | 4.1 | | 703 | 3.7 |
| | 33 | 25.0 | | 117 | 11.7 | | 202 | 10.7 | | 117 | 11.5 | | 286 | 9.6 | | 370 | 8.0 | | 455 | 6.4 | | 544 | 5.0 | | 624 | 4.1 | | 708 | 3.7 |
| | 38 | 24.1 | | 122 | 11.7 | | 206 | 10.7 | | 122 | 11.4 | | 291 | 9.5 | | 375 | 8.0 | | 460 | 6.3 | | 549 | 4.9 | | 628 | 4.0 | | 713 | 3.7 |
| | 42 | 23.1 | | 127 | 11.7 | | 211 | 10.7 | | 127 | 11.3 | | 295 | 9.4 | | 380 | 7.9 | | 464 | 6.2 | | 553 | 4.8 | | 633 | 4.0 | | 715 | 3.7 |
| | 47 | 22.2 | | 131 | 11.7 | | 216 | 10.7 | | 131 | 11.2 | | 300 | 9.3 | | 385 | 7.8 | | 469 | 6.1 | | 558 | 4.7 | | 638 | 4.0 | | | |
| | 52 | 21.2 | | 136 | 11.6 | | 220 | 10.7 | | 136 | 11.1 | | 305 | 9.2 | | 389 | 7.7 | | 474 | 6.1 | | 563 | 4.6 | | 642 | 4.0 | | | |
| | 56 | 20.3 | | 141 | 11.6 | | 225 | 10.6 | | 141 | 11.0 | | 309 | 9.1 | | 394 | 7.6 | | 478 | 6.0 | | 567 | 4.5 | | 647 | 3.9 | | | |
| | 61 | 19.3 | | 145 | 11.5 | | 230 | 10.6 | | 145 | 10.9 | | 314 | 9.1 | | 399 | 7.5 | | 483 | 5.9 | | 572 | 4.4 | | 652 | 3.9 | | | |
| | 66 | 18.4 | | 150 | 11.4 | | 234 | 10.5 | | 150 | 10.8 | | 319 | 9.0 | | 403 | 7.4 | | 488 | 5.8 | | 577 | 4.3 | | 656 | 3.9 | | | |
| | 70 | 17.6 | | 155 | 11.3 | | 239 | 10.5 | | 155 | 10.7 | | 324 | 9.0 | | 408 | 7.3 | | 492 | 5.7 | | 581 | 4.2 | | 661 | 3.9 | | | |
| | 75 | 16.7 | | 159 | 11.2 | | 244 | 10.4 | | 159 | 10.6 | | 329 | 8.9 | | 413 | 7.2 | | 497 | 5.6 | | 586 | 4.1 | | 666 | 3.9 | | | |
| | 80 | 15.7 | | 164 | 11.1 | | 249 | 10.3 | | 164 | 10.5 | | 333 | 8.8 | | 417 | 7.1 | | 502 | 5.5 | | | | | 671 | 3.9 | | | |

| | | | | | | | |
|-----|----|-----|----|-----|---|-----|---|
| Z | T | Z | T | Z | T | Z | T |
| 0 | 9 | 160 | 11 | 320 | 9 | 640 | 4 |
| 5 | 25 | 165 | 11 | 325 | 9 | 645 | 4 |
| 10 | 35 | 170 | 11 | 330 | 9 | 650 | 4 |
| 15 | 35 | 175 | 11 | 335 | 9 | 655 | 4 |
| 20 | 32 | 180 | 11 | 340 | 9 | 660 | 4 |
| 25 | 30 | 185 | 11 | 345 | 9 | 665 | 4 |
| 30 | 28 | 190 | 11 | 350 | 9 | 670 | 4 |
| 35 | 17 | 195 | 11 | 355 | 9 | 675 | 4 |
| 40 | 16 | 200 | 11 | 360 | 9 | 680 | 4 |
| 45 | 35 | 205 | 11 | 365 | 9 | 685 | 4 |
| 50 | 35 | 210 | 11 | 370 | 9 | 690 | 4 |
| 55 | 34 | 215 | 10 | 375 | 8 | 695 | 4 |
| 60 | 34 | 220 | 10 | 380 | 8 | 700 | 4 |
| 65 | 32 | 225 | 10 | 385 | 8 | 705 | 4 |
| 70 | 32 | 230 | 10 | 390 | 8 | 710 | 4 |
| 75 | 32 | 235 | 10 | 395 | 8 | 715 | 4 |
| 80 | 32 | 240 | 10 | 400 | 8 | 720 | 4 |
| 85 | 32 | 245 | 10 | 405 | 8 | 725 | 4 |
| 90 | 32 | 250 | 10 | 410 | 8 | 730 | 4 |
| 95 | 32 | 255 | 10 | 415 | 8 | 735 | 4 |
| 100 | 32 | 260 | 10 | 420 | 8 | 740 | 3 |
| 105 | 32 | 265 | 10 | 425 | 8 | 745 | 3 |
| 110 | 32 | 270 | 10 | 430 | 7 | 750 | 3 |
| 115 | 32 | 275 | 10 | 435 | 7 | 755 | 3 |
| 120 | 32 | 280 | 10 | 440 | 7 | 760 | 3 |
| 125 | 32 | 285 | 10 | 445 | 7 | 765 | 3 |
| 130 | 32 | 290 | 10 | 450 | 7 | 770 | 3 |
| 135 | 32 | 295 | 9 | 455 | 7 | 775 | 3 |
| 140 | 32 | 300 | 9 | 460 | 7 | 780 | 3 |
| 145 | 32 | 305 | 9 | 465 | 7 | 785 | 3 |
| 150 | 32 | 310 | 9 | 470 | 7 | 790 | 3 |
| 155 | 32 | 315 | 9 | 475 | 7 | 795 | 3 |

XBT LAY TIME TYPE
22 244 1430 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|-----|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|---|-----|-----|
| Z | 0 | 26.0 | Z | 84 | 13.7 | T | 166 | 11.9 | Z | 253 | 10.9 | T | 338 | 9.7 | Z | 422 | 8.2 | T | 506 | 6.7 | Z | 591 | 5.2 | T | 675 | 4.4 | Z | 759 | 3.9 |
| 5 | 26.0 | 89 | 13.5 | 94 | 13.4 | 172 | 11.8 | 258 | 10.8 | 342 | 9.6 | 427 | 8.1 | 511 | 6.6 | 596 | 5.1 | 680 | 4.3 | 765 | 3.8 | | | | | | | | |
| 9 | 25.9 | 94 | 13.4 | 98 | 13.3 | 172 | 11.8 | 263 | 10.8 | 347 | 9.6 | 431 | 8.1 | 516 | 6.5 | 600 | 5.0 | 685 | 4.2 | 770 | 3.7 | | | | | | | | |
| 14 | 25.8 | 98 | 13.3 | 103 | 13.1 | 183 | 11.7 | 267 | 10.8 | 352 | 9.5 | 436 | 8.0 | 520 | 6.3 | 605 | 4.9 | 689 | 4.1 | 775 | 3.6 | | | | | | | | |
| 19 | 23.6 | 103 | 13.1 | 108 | 13.0 | 188 | 11.6 | 272 | 10.7 | 356 | 9.4 | 441 | 8.0 | 525 | 6.2 | 610 | 4.8 | 694 | 4.1 | 780 | 3.5 | | | | | | | | |
| 23 | 20.2 | 108 | 13.0 | 113 | 12.9 | 193 | 11.5 | 277 | 10.7 | 361 | 9.3 | 445 | 7.9 | 530 | 6.1 | 614 | 4.7 | 699 | 4.1 | 785 | 3.4 | | | | | | | | |
| 28 | 19.3 | 113 | 12.9 | 117 | 12.8 | 197 | 11.5 | 281 | 10.6 | 366 | 9.3 | 450 | 7.8 | 535 | 6.0 | 619 | 4.6 | 703 | 4.0 | 790 | 3.3 | | | | | | | | |
| 33 | 18.4 | 117 | 12.8 | 122 | 12.6 | 202 | 11.5 | 286 | 10.6 | 370 | 9.2 | 455 | 7.7 | 539 | 5.9 | 624 | 4.5 | 708 | 3.9 | 795 | 3.2 | | | | | | | | |
| 38 | 17.7 | 122 | 12.6 | 127 | 12.5 | 206 | 11.5 | 291 | 10.5 | 375 | 9.1 | 460 | 7.6 | 544 | 5.8 | 628 | 4.4 | 713 | 3.8 | 800 | 3.1 | | | | | | | | |
| 42 | 17.1 | 127 | 12.5 | 131 | 12.4 | 211 | 11.5 | 295 | 10.4 | 380 | 9.1 | 464 | 7.5 | 549 | 5.7 | 633 | 4.3 | 718 | 3.7 | 805 | 3.0 | | | | | | | | |
| 47 | 16.5 | 131 | 12.4 | 136 | 12.3 | 216 | 11.4 | 300 | 10.4 | 385 | 9.0 | 469 | 7.4 | 553 | 5.6 | 638 | 4.2 | 723 | 3.6 | 810 | 2.9 | | | | | | | | |
| 52 | 15.8 | 136 | 12.3 | 141 | 12.2 | 220 | 11.4 | 305 | 10.3 | 389 | 8.9 | 474 | 7.3 | 558 | 5.5 | 642 | 4.1 | 728 | 3.5 | 815 | 2.8 | | | | | | | | |
| 56 | 15.4 | 141 | 12.2 | 145 | 12.1 | 225 | 11.4 | 309 | 10.2 | 394 | 8.8 | 478 | 7.2 | 563 | 5.4 | 647 | 4.0 | 733 | 3.4 | 820 | 2.7 | | | | | | | | |
| 61 | 15.1 | 145 | 12.1 | 150 | 12.0 | 230 | 11.4 | 314 | 10.1 | 399 | 8.6 | 483 | 7.1 | 567 | 5.3 | 652 | 3.9 | 738 | 3.3 | 825 | 2.6 | | | | | | | | |
| 66 | 14.8 | 150 | 12.0 | 155 | 11.9 | 234 | 11.4 | 319 | 10.0 | 403 | 8.5 | 488 | 7.0 | 572 | 5.2 | 656 | 3.8 | 743 | 3.2 | 830 | 2.5 | | | | | | | | |
| 70 | 14.5 | 155 | 11.9 | 159 | 11.8 | 239 | 11.3 | 324 | 9.9 | 408 | 8.4 | 492 | 6.9 | 577 | 5.1 | 661 | 3.7 | 748 | 3.1 | 835 | 2.4 | | | | | | | | |
| 75 | 14.2 | 159 | 11.8 | 164 | 11.7 | 244 | 11.3 | 329 | 9.8 | 413 | 8.3 | 497 | 6.8 | 581 | 5.0 | 666 | 3.6 | 753 | 3.0 | 840 | 2.3 | | | | | | | | |
| 80 | 13.9 | 164 | 11.7 | 169 | 11.6 | 249 | 11.2 | 333 | 9.7 | 417 | 8.2 | 502 | 6.7 | 586 | 4.9 | 671 | 3.5 | 758 | 2.9 | 845 | 2.2 | | | | | | | | |

XBT CAY TIME TYPE
23 244 21 0 7

| | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|---|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|
| 2 | 0 | 26.4 | 2 | 64 | 15.0 | T | 10.4 | 2 | 338 | T | 6.4 | 2 | 506 | T | 6.5 | 2 | 591 | T | 5.0 | 2 | 675 | T | 4.2 |
| 5 | 36.4 | 89 | 14.6 | 89 | 14.6 | T | 10.2 | 342 | 342 | 10.2 | 8.3 | 427 | 511 | 6.4 | 596 | 4.9 | 596 | 4.9 | 680 | 4.1 | | | |
| 9 | 26.4 | 94 | 14.6 | 94 | 14.6 | T | 10.1 | 347 | 347 | 10.1 | 8.2 | 431 | 516 | 6.3 | 600 | 4.8 | 600 | 4.8 | 685 | 4.1 | | | |
| 14 | 26.3 | 98 | 14.4 | 98 | 14.4 | T | 9.9 | 352 | 352 | 9.9 | 8.1 | 436 | 520 | 6.2 | 605 | 4.7 | 605 | 4.7 | 689 | 4.1 | | | |
| 19 | 26.3 | 103 | 14.3 | 103 | 14.3 | T | 9.7 | 356 | 356 | 9.7 | 8.0 | 441 | 525 | 6.1 | 610 | 4.6 | 610 | 4.6 | 694 | 4.0 | | | |
| 23 | 25.3 | 108 | 14.1 | 108 | 14.1 | T | 9.6 | 361 | 361 | 9.6 | 7.8 | 445 | 530 | 6.0 | 614 | 4.6 | 614 | 4.6 | 699 | 4.0 | | | |
| 28 | 22.2 | 113 | 14.0 | 113 | 14.0 | T | 9.5 | 366 | 366 | 9.5 | 7.7 | 450 | 535 | 5.8 | 619 | 4.6 | 619 | 4.6 | 703 | 4.0 | | | |
| 33 | 18.9 | 117 | 14.0 | 117 | 14.0 | T | 9.4 | 370 | 370 | 9.4 | 7.6 | 455 | 539 | 5.7 | 624 | 4.6 | 624 | 4.6 | 708 | 3.9 | | | |
| 42 | 17.9 | 122 | 13.9 | 122 | 13.9 | T | 9.3 | 375 | 375 | 9.3 | 7.5 | 460 | 544 | 5.6 | 628 | 4.5 | 628 | 4.5 | 713 | 3.9 | | | |
| 47 | 17.0 | 127 | 13.7 | 127 | 13.7 | T | 9.2 | 380 | 380 | 9.2 | 7.4 | 464 | 549 | 5.5 | 633 | 4.5 | 633 | 4.5 | 715 | 3.5 | | | |
| 52 | 16.3 | 131 | 13.5 | 131 | 13.5 | T | 9.1 | 385 | 385 | 9.1 | 7.3 | 469 | 553 | 5.4 | 638 | 4.4 | 638 | 4.4 | | | | | |
| 56 | 16.0 | 136 | 13.4 | 136 | 13.4 | T | 9.0 | 389 | 389 | 9.0 | 7.2 | 474 | 558 | 5.3 | 643 | 4.4 | 643 | 4.4 | | | | | |
| 61 | 15.9 | 141 | 13.3 | 141 | 13.3 | T | 8.9 | 394 | 394 | 8.9 | 7.1 | 478 | 563 | 5.2 | 648 | 4.4 | 648 | 4.4 | | | | | |
| 66 | 15.8 | 145 | 13.1 | 145 | 13.1 | T | 8.8 | 399 | 399 | 8.8 | 7.0 | 483 | 567 | 5.1 | 652 | 4.3 | 652 | 4.3 | | | | | |
| 70 | 15.6 | 150 | 13.0 | 150 | 13.0 | T | 8.7 | 408 | 408 | 8.7 | 6.8 | 488 | 572 | 5.0 | 656 | 4.3 | 656 | 4.3 | | | | | |
| 75 | 15.3 | 155 | 12.9 | 155 | 12.9 | T | 8.6 | 413 | 413 | 8.6 | 6.7 | 492 | 577 | 5.0 | 661 | 4.3 | 661 | 4.3 | | | | | |
| 80 | 15.3 | 160 | 12.9 | 160 | 12.9 | T | 8.5 | 417 | 417 | 8.5 | 6.6 | 497 | 581 | 5.1 | 666 | 4.3 | 666 | 4.3 | | | | | |
| | | | | | | T | | 422 | 422 | | | 502 | 586 | 5.1 | 671 | 4.2 | 671 | 4.2 | | | | | |

[illegible]

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2 | 0 | 20.5 | 1 | 84 | 15.3 | 1 | 165 | 12.1 | 2 | 253 | 11.6 | 338 | 10.6 | 1 | 0 | 2 | 422 | 0.9 | 2 | 506 | 6.9 | 1 | 2 | 475 | 4.3 |
| 5 | 0 | 26.5 | 89 | 14.8 | 1 | 176 | 12.0 | 259 | 11.7 | 347 | 10.5 | 330 | 10.5 | 0.9 | 2 | 427 | 0.9 | 591 | 5.2 | 1 | 2 | 480 | 4.1 | | |
| 9 | 26.5 | 94 | 14.6 | 1 | 176 | 12.0 | 260 | 11.7 | 347 | 10.4 | 347 | 10.4 | 551 | 6.9 | 506 | 4.1 | 596 | 5.1 | 1 | 2 | 485 | 4.0 | | | |
| 19 | 26.4 | 103 | 14.6 | 1 | 182 | 12.6 | 267 | 11.6 | 356 | 10.2 | 356 | 10.2 | 550 | 6.7 | 605 | 4.0 | 605 | 5.0 | 1 | 2 | 489 | 3.9 | | | |
| 25 | 26.1 | 108 | 14.3 | 1 | 182 | 12.7 | 271 | 11.5 | 361 | 10.1 | 361 | 10.1 | 550 | 6.6 | 610 | 3.8 | 610 | 4.9 | 1 | 2 | 499 | 3.8 | | | |
| 33 | 26.0 | 113 | 14.2 | 1 | 197 | 12.6 | 281 | 11.4 | 366 | 10.0 | 366 | 10.0 | 550 | 6.5 | 614 | 3.6 | 614 | 4.8 | 1 | 2 | 503 | 3.6 | | | |
| 37 | 26.0 | 117 | 14.1 | 1 | 202 | 12.6 | 286 | 11.4 | 370 | 9.9 | 370 | 9.9 | 550 | 6.2 | 624 | 3.6 | 624 | 4.8 | 1 | 2 | 508 | 3.5 | | | |
| 38 | 26.0 | 122 | 14.0 | 1 | 206 | 12.5 | 291 | 11.3 | 375 | 9.8 | 375 | 9.8 | 550 | 6.1 | 628 | 3.4 | 628 | 4.6 | 1 | 2 | 515 | 3.4 | | | |
| 42 | 26.9 | 127 | 13.9 | 1 | 212 | 12.3 | 295 | 11.2 | 380 | 9.7 | 380 | 9.7 | 553 | 5.8 | 633 | 3.4 | 633 | 4.7 | 1 | 2 | 515 | 3.4 | | | |
| 47 | 26.1 | 131 | 13.7 | 1 | 214 | 12.3 | 300 | 11.2 | 385 | 9.6 | 385 | 9.6 | 553 | 5.6 | 638 | 3.4 | 638 | 4.7 | 1 | 2 | 515 | 3.4 | | | |
| 52 | 26.4 | 136 | 13.7 | 1 | 220 | 12.2 | 305 | 11.2 | 389 | 9.5 | 389 | 9.5 | 558 | 5.8 | 642 | 3.4 | 642 | 4.6 | 1 | 2 | 515 | 3.4 | | | |
| 56 | 26.1 | 141 | 13.6 | 1 | 226 | 12.1 | 309 | 11.1 | 394 | 9.4 | 394 | 9.4 | 557 | 5.7 | 647 | 3.4 | 647 | 4.6 | 1 | 2 | 515 | 3.4 | | | |
| 61 | 27.0 | 145 | 13.6 | 1 | 232 | 12.1 | 314 | 11.1 | 399 | 9.3 | 399 | 9.3 | 557 | 5.6 | 652 | 3.4 | 652 | 4.5 | 1 | 2 | 515 | 3.4 | | | |
| 66 | 26.0 | 150 | 13.4 | 1 | 234 | 12.0 | 319 | 11.0 | 403 | 9.2 | 403 | 9.2 | 557 | 5.5 | 656 | 3.4 | 656 | 4.4 | 1 | 2 | 515 | 3.4 | | | |
| 70 | 26.1 | 155 | 13.3 | 1 | 239 | 11.9 | 324 | 10.9 | 408 | 9.1 | 408 | 9.1 | 557 | 5.4 | 661 | 3.4 | 661 | 4.4 | 1 | 2 | 515 | 3.4 | | | |
| 75 | 25.8 | 159 | 13.2 | 1 | 238 | 11.8 | 328 | 10.8 | 413 | 9.0 | 413 | 9.0 | 551 | 5.2 | 666 | 3.4 | 666 | 4.4 | 1 | 2 | 515 | 3.4 | | | |
| 80 | 25.5 | 164 | 13.2 | 1 | 245 | 11.8 | 333 | 10.7 | 417 | 8.9 | 417 | 8.9 | 556 | 5.2 | 671 | 3.4 | 671 | 4.4 | 1 | 2 | 515 | 3.4 | | | |

NET DAY TIME TYPE
28 246 1030 5

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|-----|------|-----|------|------|------|-----|------|-----|------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 2 | 0 | 26.4 | 1 | 99 | 15.4 | 2 | 190 | 12.9 | 1 | 285 | 12.5 | 2 | 380 | 11.3 | 1 | 475 | 9.5 | 2 | 570 | 8.0 | 1 | 665 | 5.7 | 2 | 760 | 4.2 | 1 | 855 | 3.9 |
| 5 | 26.4 | 100 | 15.1 | 105 | 15.0 | 110 | 14.9 | 115 | 14.8 | 120 | 14.7 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 |
| 10 | 26.4 | 105 | 15.0 | 110 | 14.9 | 115 | 14.8 | 120 | 14.7 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 |
| 15 | 26.3 | 110 | 14.9 | 115 | 14.8 | 120 | 14.7 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 | 175 | 13.6 |
| 20 | 26.3 | 115 | 14.8 | 120 | 14.7 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 | 175 | 13.6 | 180 | 13.5 |
| 25 | 26.3 | 120 | 14.7 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 | 175 | 13.6 | 180 | 13.5 | 185 | 13.4 |
| 30 | 26.2 | 125 | 14.6 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 | 175 | 13.6 | 180 | 13.5 | 185 | 13.4 | 190 | 13.3 |
| 35 | 26.2 | 130 | 14.5 | 135 | 14.4 | 140 | 14.3 | 145 | 14.2 | 150 | 14.1 | 155 | 14.0 | 160 | 13.9 | 165 | 13.8 | 170 | 13.7 | 175 | 13.6 | 180 | 13.5 | 185 | 13.4 | 190 | 13.3 | 195 | 13.2 |
| 40 | 26.0 | 135 | 14.3 | 140 | 14.2 | 145 | 14.1 | 150 | 14.0 | 155 | 13.9 | 160 | 13.8 | 165 | 13.7 | 170 | 13.6 | 175 | 13.5 | 180 | 13.4 | 185 | 13.3 | 190 | 13.2 | 195 | 13.1 | 200 | 13.0 |
| 45 | 25.1 | 140 | 14.1 | 145 | 14.0 | 150 | 13.9 | 155 | 13.8 | 160 | 13.7 | 165 | 13.6 | 170 | 13.5 | 175 | 13.4 | 180 | 13.3 | 185 | 13.2 | 190 | 13.1 | 195 | 13.0 | 200 | 12.9 | 205 | 12.8 |
| 50 | 25.2 | 145 | 14.0 | 150 | 13.9 | 155 | 13.8 | 160 | 13.7 | 165 | 13.6 | 170 | 13.5 | 175 | 13.4 | 180 | 13.3 | 185 | 13.2 | 190 | 13.1 | 195 | 13.0 | 200 | 12.9 | 205 | 12.8 | 210 | 12.7 |
| 55 | 25.5 | 150 | 13.8 | 155 | 13.7 | 160 | 13.6 | 165 | 13.5 | 170 | 13.4 | 175 | 13.3 | 180 | 13.2 | 185 | 13.1 | 190 | 13.0 | 195 | 12.9 | 200 | 12.8 | 205 | 12.7 | 210 | 12.6 | 215 | 12.5 |
| 60 | 25.7 | 155 | 13.6 | 160 | 13.5 | 165 | 13.4 | 170 | 13.3 | 175 | 13.2 | 180 | 13.1 | 185 | 13.0 | 190 | 12.9 | 195 | 12.8 | 200 | 12.7 | 205 | 12.6 | 210 | 12.5 | 215 | 12.4 | 220 | 12.3 |
| 65 | 27.9 | 160 | 13.4 | 165 | 13.3 | 170 | 13.2 | 175 | 13.1 | 180 | 13.0 | 185 | 12.9 | 190 | 12.8 | 195 | 12.7 | 200 | 12.6 | 205 | 12.5 | 210 | 12.4 | 215 | 12.3 | 220 | 12.2 | 225 | 12.1 |
| 70 | 27.0 | 165 | 13.2 | 170 | 13.1 | 175 | 13.0 | 180 | 12.9 | 185 | 12.8 | 190 | 12.7 | 195 | 12.6 | 200 | 12.5 | 205 | 12.4 | 210 | 12.3 | 215 | 12.2 | 220 | 12.1 | 225 | 12.0 | 230 | 11.9 |
| 75 | 26.5 | 170 | 13.0 | 175 | 12.9 | 180 | 12.8 | 185 | 12.7 | 190 | 12.6 | 195 | 12.5 | 200 | 12.4 | 205 | 12.3 | 210 | 12.2 | 215 | 12.1 | 220 | 12.0 | 225 | 11.9 | 230 | 11.8 | 235 | 11.7 |
| 80 | 26.3 | 175 | 12.8 | 180 | 12.7 | 185 | 12.6 | 190 | 12.5 | 195 | 12.4 | 200 | 12.3 | 205 | 12.2 | 210 | 12.1 | 215 | 12.0 | 220 | 11.9 | 225 | 11.8 | 230 | 11.7 | 235 | 11.6 | 240 | 11.5 |
| 85 | 26.0 | 180 | 12.6 | 185 | 12.5 | 190 | 12.4 | 195 | 12.3 | 200 | 12.2 | 205 | 12.1 | 210 | 12.0 | 215 | 11.9 | 220 | 11.8 | 225 | 11.7 | 230 | 11.6 | 235 | 11.5 | 240 | 11.4 | 245 | 11.3 |
| 90 | 25.7 | 185 | 12.4 | 190 | 12.3 | 195 | 12.2 | 200 | 12.1 | 205 | 12.0 | 210 | 11.9 | 215 | 11.8 | 220 | 11.7 | 225 | 11.6 | 230 | 11.5 | 235 | 11.4 | 240 | 11.3 | 245 | 11.2 | 250 | 11.1 |

XBT LAY TIME TYPE
29 247 030 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|---|-----|
| Z | 0 | T | 26.0 | Z | 84 | T | 15.5 | Z | 106 | T | 0.0 | Z | 338 | T | 10.4 | Z | 422 | T | 8.6 | Z | 506 | T | 6.9 | Z | 591 | T | 5.3 | Z | 675 | T | 4.3 |
| 5 | 26.7 | 84 | 15.1 | 173 | 12.0 | 125 | 12.0 | 250 | 11.7 | 126 | 12.0 | 342 | 10.4 | 127 | 10.2 | 427 | 8.5 | 511 | 6.8 | 596 | 5.3 | 680 | 4.1 | 765 | 3.1 | 849 | 2.1 | 933 | 1.1 | | |
| 9 | 26.6 | 84 | 14.6 | 178 | 12.0 | 126 | 12.0 | 263 | 11.6 | 127 | 12.0 | 347 | 10.2 | 131 | 8.4 | 436 | 8.4 | 516 | 6.7 | 600 | 5.2 | 685 | 4.1 | 769 | 3.1 | 854 | 2.1 | 938 | 1.1 | | |
| 14 | 26.3 | 98 | 14.6 | 183 | 12.0 | 127 | 12.0 | 277 | 11.5 | 128 | 12.0 | 352 | 10.2 | 141 | 8.3 | 441 | 8.3 | 520 | 6.7 | 605 | 5.1 | 690 | 4.0 | 775 | 3.0 | 863 | 2.0 | 947 | 1.0 | | |
| 19 | 26.4 | 108 | 14.4 | 188 | 12.0 | 128 | 12.0 | 281 | 11.4 | 129 | 12.0 | 356 | 10.1 | 145 | 8.2 | 445 | 8.2 | 530 | 6.5 | 614 | 4.9 | 695 | 3.9 | 780 | 2.9 | 868 | 1.9 | 952 | 0.9 | | |
| 23 | 26.4 | 113 | 14.3 | 193 | 12.0 | 129 | 12.0 | 286 | 11.3 | 130 | 12.0 | 366 | 9.9 | 150 | 8.1 | 450 | 8.1 | 539 | 6.4 | 619 | 4.9 | 700 | 3.8 | 785 | 2.8 | 873 | 1.8 | 957 | 0.8 | | |
| 28 | 26.3 | 117 | 14.2 | 198 | 12.0 | 130 | 12.0 | 291 | 11.2 | 131 | 12.0 | 370 | 9.7 | 155 | 8.0 | 455 | 8.0 | 549 | 6.3 | 624 | 4.9 | 705 | 3.8 | 790 | 2.8 | 878 | 1.8 | 962 | 0.8 | | |
| 33 | 24.2 | 122 | 14.1 | 203 | 12.0 | 131 | 12.0 | 295 | 11.1 | 132 | 12.0 | 375 | 9.6 | 160 | 7.8 | 460 | 7.8 | 558 | 6.2 | 629 | 4.8 | 710 | 3.7 | 795 | 2.7 | 883 | 1.7 | 967 | 0.7 | | |
| 38 | 21.8 | 127 | 14.0 | 208 | 12.0 | 132 | 12.0 | 300 | 11.0 | 133 | 12.0 | 380 | 9.4 | 164 | 7.7 | 464 | 7.7 | 567 | 6.1 | 634 | 4.7 | 715 | 3.6 | 800 | 2.6 | 888 | 1.6 | 972 | 0.6 | | |
| 42 | 20.2 | 132 | 13.9 | 213 | 12.0 | 133 | 12.0 | 305 | 10.9 | 134 | 12.0 | 385 | 9.3 | 169 | 7.6 | 469 | 7.6 | 572 | 5.9 | 639 | 4.6 | 720 | 3.5 | 805 | 2.5 | 893 | 1.5 | 977 | 0.5 | | |
| 47 | 19.3 | 137 | 13.7 | 218 | 12.0 | 134 | 12.0 | 309 | 10.8 | 135 | 12.0 | 394 | 9.2 | 173 | 7.5 | 474 | 7.5 | 581 | 5.8 | 644 | 4.5 | 725 | 3.4 | 810 | 2.4 | 898 | 1.4 | 982 | 0.4 | | |
| 52 | 18.5 | 142 | 13.6 | 223 | 12.0 | 135 | 12.0 | 314 | 10.7 | 136 | 12.0 | 399 | 9.1 | 178 | 7.4 | 478 | 7.4 | 586 | 5.7 | 649 | 4.4 | 730 | 3.3 | 815 | 2.3 | 903 | 1.3 | 987 | 0.3 | | |
| 56 | 17.6 | 147 | 13.5 | 228 | 12.0 | 137 | 12.0 | 319 | 10.6 | 138 | 11.9 | 403 | 8.9 | 182 | 7.2 | 483 | 7.2 | 591 | 5.6 | 654 | 4.3 | 735 | 3.2 | 820 | 2.2 | 913 | 1.2 | 992 | 0.2 | | |
| 61 | 17.1 | 152 | 13.4 | 233 | 11.9 | 139 | 11.9 | 324 | 10.5 | 140 | 11.8 | 408 | 8.8 | 187 | 7.1 | 488 | 7.1 | 596 | 5.5 | 659 | 4.2 | 740 | 3.1 | 825 | 2.1 | 918 | 1.1 | 997 | 0.1 | | |
| 66 | 16.9 | 157 | 13.3 | 238 | 11.9 | 141 | 11.8 | 329 | 10.4 | 142 | 11.7 | 413 | 8.7 | 192 | 7.0 | 492 | 7.0 | 601 | 5.4 | 664 | 4.1 | 745 | 3.0 | 830 | 2.0 | 923 | 1.0 | 1002 | 0.0 | | |
| 70 | 16.3 | 162 | 13.2 | 243 | 11.8 | 143 | 11.7 | 333 | 10.3 | 144 | 11.6 | 417 | 8.6 | 197 | 6.9 | 497 | 6.9 | 606 | 5.3 | 669 | 4.0 | 750 | 2.9 | 835 | 1.9 | 928 | 0.9 | 1007 | -0.1 | | |
| 75 | 16.2 | 167 | 13.1 | 248 | 11.7 | 145 | 11.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 15.8 | 172 | 13.1 | 253 | 11.6 | 147 | 11.5 | | | | | | | | | | | | | | | | | | | | | | | | |

XBT LAY TIME TYPE
30 247 630 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|----|------|---|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|
| Z | 0 | 26.9 | T | 04 | 13.7 | T | 105 | 12.1 | T | 253 | 11.9 | T | 338 | 10.7 | T | 427 | 8.7 | T | 506 | 6.7 | T | 591 | 5.3 | T | 675 | 4.3 | T | 759 | 3.3 |
| | 5 | 26.8 | | 09 | 13.4 | | 172 | 12.1 | | 258 | 11.8 | | 342 | 10.6 | | 427 | 8.6 | | 511 | 6.7 | | 596 | 5.2 | | 680 | 4.2 | | 764 | 3.2 |
| | 9 | 26.7 | | 14 | 13.2 | | 178 | 12.0 | | 263 | 11.8 | | 347 | 10.6 | | 431 | 8.6 | | 516 | 6.5 | | 600 | 5.2 | | 685 | 4.2 | | 769 | 3.2 |
| | 14 | 26.6 | | 19 | 13.1 | | 183 | 12.0 | | 267 | 11.7 | | 352 | 10.4 | | 436 | 8.5 | | 520 | 6.4 | | 605 | 5.1 | | 690 | 4.1 | | 774 | 3.1 |
| | 19 | 26.5 | | 24 | 12.9 | | 188 | 12.0 | | 272 | 11.7 | | 356 | 10.3 | | 441 | 8.4 | | 525 | 6.3 | | 610 | 5.1 | | 695 | 4.1 | | 779 | 3.1 |
| | 23 | 26.5 | | 28 | 12.8 | | 192 | 12.0 | | 277 | 11.6 | | 361 | 10.2 | | 445 | 8.4 | | 530 | 6.2 | | 614 | 5.0 | | 700 | 4.1 | | 784 | 3.1 |
| | 28 | 26.7 | | 33 | 12.6 | | 197 | 12.0 | | 281 | 11.6 | | 366 | 10.0 | | 450 | 8.2 | | 535 | 6.1 | | 619 | 4.9 | | 705 | 4.1 | | 789 | 3.1 |
| | 33 | 26.9 | | 38 | 12.5 | | 202 | 12.0 | | 286 | 11.5 | | 370 | 9.9 | | 455 | 8.1 | | 539 | 6.0 | | 624 | 4.8 | | 710 | 4.0 | | 794 | 3.0 |
| | 38 | 26.9 | | 43 | 12.4 | | 206 | 12.0 | | 291 | 11.5 | | 375 | 9.8 | | 460 | 8.0 | | 544 | 5.9 | | 628 | 4.7 | | 715 | 4.0 | | 799 | 3.0 |
| | 42 | 26.8 | | 48 | 12.4 | | 211 | 12.0 | | 295 | 11.4 | | 380 | 9.7 | | 464 | 7.9 | | 549 | 5.8 | | 633 | 4.6 | | | | | | |
| | 47 | 26.1 | | 53 | 12.4 | | 216 | 12.0 | | 300 | 11.4 | | 385 | 9.6 | | 469 | 7.7 | | 553 | 5.7 | | 638 | 4.5 | | | | | | |
| | 52 | 26.4 | | 58 | 12.3 | | 220 | 12.0 | | 305 | 11.3 | | 389 | 9.5 | | 474 | 7.6 | | 558 | 5.6 | | 642 | 4.4 | | | | | | |
| | 56 | 27.1 | | 63 | 12.3 | | 225 | 12.0 | | 309 | 11.3 | | 394 | 9.4 | | 478 | 7.5 | | 563 | 5.5 | | 647 | 4.3 | | | | | | |
| | 61 | 27.1 | | 68 | 12.2 | | 230 | 12.0 | | 314 | 11.2 | | 399 | 9.2 | | 483 | 7.4 | | 567 | 5.4 | | 652 | 4.2 | | | | | | |
| | 66 | 26.8 | | 73 | 12.2 | | 234 | 12.0 | | 319 | 11.1 | | 403 | 9.1 | | 488 | 7.3 | | 572 | 5.3 | | 656 | 4.1 | | | | | | |
| | 70 | 26.4 | | 78 | 12.1 | | 239 | 12.0 | | 324 | 11.0 | | 408 | 9.0 | | 492 | 7.1 | | 577 | 5.2 | | 661 | 4.0 | | | | | | |
| | 75 | 26.2 | | 83 | 12.0 | | 244 | 12.0 | | 329 | 11.0 | | 413 | 8.9 | | 497 | 7.0 | | 581 | 5.1 | | 666 | 3.9 | | | | | | |
| | 80 | 26.9 | | | 12.0 | | 249 | 12.0 | | 333 | 10.9 | | 417 | 8.8 | | 502 | 6.9 | | 586 | 5.0 | | 671 | 3.8 | | | | | | |

XBT DAY TIME TYPE
31 1247 1830 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|------|---|-----|---|------|---|-----|---|------|---|-----|---|------|---|-----|---|------|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| Z | 0 | 26.4 | T | 14.7 | Z | 84 | T | 14.7 | Z | 109 | T | 12.8 | Z | 253 | T | 11.4 | Z | 329 | T | 10.1 | Z | 429 | T | 8.2 | Z | 506 | T | 6.5 | Z | 591 | T | 5.1 | Z | 675 | T | 4.1 |
| | 5 | 26.4 | | 14.5 | | 89 | | 14.5 | | 172 | | 12.7 | | 258 | | 11.2 | | 322 | | 10.0 | | 427 | | 8.1 | | 511 | | 6.4 | | 596 | | 5.0 | | 680 | | 4.1 |
| | 14 | 26.3 | | 14.4 | | 98 | | 14.4 | | 176 | | 12.6 | | 263 | | 11.2 | | 327 | | 9.9 | | 431 | | 8.0 | | 516 | | 6.3 | | 600 | | 5.0 | | 685 | | 4.0 |
| | 19 | 26.0 | | 14.2 | | 103 | | 14.2 | | 182 | | 12.5 | | 267 | | 11.1 | | 272 | | 9.8 | | 436 | | 7.9 | | 520 | | 6.2 | | 605 | | 4.9 | | 689 | | 3.9 |
| | 23 | 25.8 | | 14.1 | | 108 | | 14.1 | | 192 | | 12.4 | | 277 | | 11.1 | | 277 | | 9.6 | | 441 | | 7.7 | | 530 | | 6.1 | | 614 | | 4.8 | | 699 | | 3.9 |
| | 28 | 25.1 | | 14.0 | | 113 | | 14.0 | | 197 | | 12.3 | | 281 | | 11.0 | | 286 | | 9.5 | | 445 | | 7.6 | | 535 | | 6.0 | | 619 | | 4.7 | | 703 | | 3.7 |
| | 33 | 24.9 | | 13.9 | | 117 | | 13.9 | | 202 | | 12.2 | | 290 | | 11.0 | | 291 | | 9.3 | | 450 | | 7.5 | | 539 | | 5.9 | | 624 | | 4.6 | | 708 | | 3.7 |
| | 38 | 24.8 | | 13.8 | | 122 | | 13.8 | | 206 | | 12.1 | | 295 | | 10.9 | | 295 | | 9.2 | | 455 | | 7.4 | | 544 | | 5.8 | | 628 | | 4.5 | | 713 | | 3.6 |
| | 42 | 24.2 | | 13.7 | | 127 | | 13.7 | | 211 | | 12.0 | | 301 | | 10.8 | | 301 | | 9.1 | | 460 | | 7.3 | | 549 | | 5.7 | | 633 | | 4.4 | | 715 | | 3.5 |
| | 47 | 24.3 | | 13.6 | | 131 | | 13.6 | | 216 | | 11.9 | | 306 | | 10.7 | | 306 | | 8.9 | | 469 | | 7.2 | | 553 | | 5.6 | | 638 | | 4.3 | | | | |
| | 52 | 25.7 | | 13.5 | | 136 | | 13.5 | | 221 | | 11.8 | | 309 | | 10.6 | | 309 | | 8.8 | | 474 | | 7.1 | | 558 | | 5.5 | | 642 | | 4.2 | | | | |
| | 56 | 25.7 | | 13.4 | | 141 | | 13.4 | | 225 | | 11.7 | | 314 | | 10.5 | | 314 | | 8.6 | | 478 | | 7.0 | | 563 | | 5.4 | | 647 | | 4.1 | | | | |
| | 61 | 25.3 | | 13.3 | | 145 | | 13.3 | | 230 | | 11.6 | | 319 | | 10.4 | | 319 | | 8.5 | | 483 | | 6.9 | | 567 | | 5.3 | | 652 | | 4.0 | | | | |
| | 66 | 25.3 | | 13.2 | | 150 | | 13.2 | | 234 | | 11.5 | | 324 | | 10.3 | | 324 | | 8.4 | | 488 | | 6.8 | | 572 | | 5.2 | | 656 | | 3.9 | | | | |
| | 70 | 25.2 | | 13.1 | | 155 | | 13.1 | | 239 | | 11.4 | | 329 | | 10.2 | | 329 | | 8.3 | | 492 | | 6.7 | | 577 | | 5.1 | | 661 | | 3.8 | | | | |
| | 75 | 25.0 | | 13.0 | | 159 | | 13.0 | | 244 | | 11.3 | | 333 | | 10.1 | | 333 | | 8.2 | | 497 | | 6.6 | | 581 | | 5.0 | | 666 | | 3.7 | | | | |
| | 80 | 24.8 | | 12.9 | | 164 | | 12.9 | | 248 | | 11.2 | | | | 10.1 | | | | 8.1 | | 502 | | 6.5 | | 586 | | 4.9 | | 671 | | 3.6 | | | | |

XBT DAY TIME TYPE
32:347 1020 9

| | | | | | | | | | |
|-----|------|---|-----|------|---|---|------|---|-----|
| 0 | 26.1 | 1 | 109 | 11.0 | 1 | 9 | 1640 | 1 | 1.0 |
| 5 | 26.1 | 1 | 110 | 11.0 | 1 | 9 | 1645 | 1 | 1.0 |
| 10 | 26.0 | 1 | 111 | 11.7 | 1 | 9 | 1650 | 1 | 1.0 |
| 15 | 26.0 | 1 | 112 | 11.7 | 1 | 9 | 1655 | 1 | 1.0 |
| 20 | 22.1 | 1 | 113 | 11.5 | 1 | 9 | 1660 | 1 | 1.0 |
| 25 | 20.4 | 1 | 114 | 11.4 | 1 | 9 | 1665 | 1 | 1.0 |
| 30 | 19.3 | 1 | 115 | 11.3 | 1 | 9 | 1670 | 1 | 1.0 |
| 35 | 18.6 | 1 | 116 | 11.3 | 1 | 9 | 1675 | 1 | 1.0 |
| 40 | 17.8 | 1 | 117 | 11.3 | 1 | 9 | 1680 | 1 | 1.0 |
| 45 | 16.2 | 1 | 118 | 11.3 | 1 | 9 | 1685 | 1 | 1.7 |
| 50 | 15.8 | 1 | 119 | 11.3 | 1 | 9 | 1690 | 1 | 1.7 |
| 55 | 15.8 | 1 | 120 | 11.3 | 1 | 9 | 1695 | 1 | 1.7 |
| 60 | 15.3 | 1 | 121 | 11.3 | 1 | 9 | 1700 | 1 | 1.7 |
| 65 | 15.3 | 1 | 122 | 11.3 | 1 | 9 | 1705 | 1 | 1.7 |
| 70 | 15.0 | 1 | 123 | 11.3 | 1 | 9 | 1710 | 1 | 1.7 |
| 75 | 14.7 | 1 | 124 | 11.2 | 1 | 9 | 1715 | 1 | 1.7 |
| 80 | 14.5 | 1 | 125 | 11.2 | 1 | 9 | 1720 | 1 | 1.7 |
| 85 | 14.2 | 1 | 126 | 11.2 | 1 | 9 | 1725 | 1 | 1.7 |
| 90 | 14.0 | 1 | 127 | 11.2 | 1 | 9 | 1730 | 1 | 1.7 |
| 95 | 13.8 | 1 | 128 | 11.1 | 1 | 9 | 1735 | 1 | 1.7 |
| 100 | 13.4 | 1 | 129 | 10.9 | 1 | 9 | 1740 | 1 | 1.7 |
| 105 | 13.3 | 1 | 130 | 10.9 | 1 | 9 | 1745 | 1 | 1.7 |
| 110 | 13.2 | 1 | 131 | 10.8 | 1 | 9 | 1750 | 1 | 1.7 |
| 115 | 13.1 | 1 | 132 | 10.6 | 1 | 9 | 1755 | 1 | 1.7 |
| 120 | 13.0 | 1 | 133 | 10.6 | 1 | 9 | 1760 | 1 | 1.7 |
| 125 | 12.9 | 1 | 134 | 10.5 | 1 | 9 | 1765 | 1 | 1.7 |
| 130 | 12.8 | 1 | 135 | 10.4 | 1 | 9 | 1770 | 1 | 1.6 |
| 135 | 12.6 | 1 | 136 | 10.3 | 1 | 9 | 1775 | 1 | 1.6 |
| 140 | 12.5 | 1 | 137 | 10.3 | 1 | 9 | 1780 | 1 | 1.6 |
| 145 | 12.4 | 1 | 138 | 10.2 | 1 | 9 | 1785 | 1 | 1.6 |
| 150 | 12.3 | 1 | 139 | 10.2 | 1 | 9 | 1790 | 1 | 1.6 |
| 155 | 12.3 | 1 | 140 | 10.1 | 1 | 9 | 1795 | 1 | 1.6 |
| 160 | 12.2 | 1 | 141 | 10.1 | 1 | 9 | 1800 | 1 | 1.6 |
| 165 | 12.2 | 1 | 142 | 10.0 | 1 | 9 | 1805 | 1 | 1.6 |
| 170 | 12.2 | 1 | 143 | 9.9 | 1 | 9 | 1810 | 1 | 1.6 |
| 175 | 12.2 | 1 | 144 | 9.9 | 1 | 9 | 1815 | 1 | 1.6 |
| 180 | 12.2 | 1 | 145 | 9.8 | 1 | 9 | 1820 | 1 | 1.6 |
| 185 | 12.1 | 1 | 146 | 9.7 | 1 | 9 | 1825 | 1 | 1.6 |
| 190 | 12.0 | 1 | 147 | 9.6 | 1 | 9 | 1830 | 1 | 1.6 |
| 195 | 11.9 | 1 | 148 | 9.5 | 1 | 9 | 1835 | 1 | 1.6 |
| 200 | 11.8 | 1 | 149 | 9.4 | 1 | 9 | 1840 | 1 | 1.6 |

XBT LAY TIME TYPE
33 240 030 7

| | | | | | | | | |
|---|-----|------|-----|------|---|-----|---|-----|
| Z | 0 | 26.0 | 84 | 12.6 | T | 1 | 4 | 2.4 |
| Z | 5 | 25.8 | 89 | 12.4 | T | 2 | 4 | 2.4 |
| Z | 9 | 25.6 | 94 | 12.2 | T | 3 | 4 | 2.4 |
| Z | 14 | 25.3 | 98 | 12.0 | T | 4 | 4 | 2.4 |
| Z | 19 | 25.0 | 103 | 11.9 | T | 5 | 4 | 2.4 |
| Z | 23 | 24.5 | 108 | 11.7 | T | 6 | 4 | 2.4 |
| Z | 28 | 20.1 | 113 | 11.6 | T | 7 | 4 | 2.4 |
| Z | 33 | 18.7 | 117 | 11.7 | T | 8 | 4 | 2.4 |
| Z | 38 | 17.9 | 122 | 11.7 | T | 9 | 4 | 2.4 |
| Z | 42 | 17.1 | 127 | 11.6 | T | 10 | 4 | 2.4 |
| Z | 47 | 16.3 | 131 | 11.5 | T | 11 | 4 | 2.4 |
| Z | 52 | 15.6 | 136 | 11.4 | T | 12 | 4 | 2.4 |
| Z | 56 | 14.9 | 141 | 11.3 | T | 13 | 4 | 2.4 |
| Z | 61 | 14.3 | 145 | 11.2 | T | 14 | 4 | 2.4 |
| Z | 66 | 13.6 | 150 | 11.1 | T | 15 | 4 | 2.4 |
| Z | 70 | 13.1 | 155 | 11.1 | T | 16 | 4 | 2.4 |
| Z | 75 | 12.9 | 159 | 11.0 | T | 17 | 4 | 2.4 |
| Z | 80 | 12.8 | 164 | 11.0 | T | 18 | 4 | 2.4 |
| Z | 85 | 12.7 | 169 | 10.9 | T | 19 | 4 | 2.4 |
| Z | 90 | 12.6 | 172 | 10.9 | T | 20 | 4 | 2.4 |
| Z | 95 | 12.5 | 176 | 10.8 | T | 21 | 4 | 2.4 |
| Z | 100 | 12.4 | 181 | 10.7 | T | 22 | 4 | 2.4 |
| Z | 105 | 12.3 | 186 | 10.7 | T | 23 | 4 | 2.4 |
| Z | 110 | 12.2 | 191 | 10.6 | T | 24 | 4 | 2.4 |
| Z | 115 | 12.1 | 196 | 10.6 | T | 25 | 4 | 2.4 |
| Z | 120 | 12.0 | 201 | 10.6 | T | 26 | 4 | 2.4 |
| Z | 125 | 11.9 | 206 | 10.6 | T | 27 | 4 | 2.4 |
| Z | 130 | 11.8 | 211 | 10.5 | T | 28 | 4 | 2.4 |
| Z | 135 | 11.7 | 216 | 10.5 | T | 29 | 4 | 2.4 |
| Z | 140 | 11.6 | 221 | 10.4 | T | 30 | 4 | 2.4 |
| Z | 145 | 11.5 | 226 | 10.4 | T | 31 | 4 | 2.4 |
| Z | 150 | 11.4 | 231 | 10.3 | T | 32 | 4 | 2.4 |
| Z | 155 | 11.3 | 236 | 10.3 | T | 33 | 4 | 2.4 |
| Z | 160 | 11.2 | 241 | 10.2 | T | 34 | 4 | 2.4 |
| Z | 165 | 11.1 | 246 | 10.2 | T | 35 | 4 | 2.4 |
| Z | 170 | 11.0 | 251 | 10.1 | T | 36 | 4 | 2.4 |
| Z | 175 | 10.9 | 256 | 10.1 | T | 37 | 4 | 2.4 |
| Z | 180 | 10.8 | 261 | 10.1 | T | 38 | 4 | 2.4 |
| Z | 185 | 10.7 | 266 | 10.0 | T | 39 | 4 | 2.4 |
| Z | 190 | 10.6 | 271 | 9.9 | T | 40 | 4 | 2.4 |
| Z | 195 | 10.5 | 276 | 9.9 | T | 41 | 4 | 2.4 |
| Z | 200 | 10.4 | 281 | 9.8 | T | 42 | 4 | 2.4 |
| Z | 205 | 10.3 | 286 | 9.8 | T | 43 | 4 | 2.4 |
| Z | 210 | 10.2 | 291 | 9.7 | T | 44 | 4 | 2.4 |
| Z | 215 | 10.1 | 296 | 9.7 | T | 45 | 4 | 2.4 |
| Z | 220 | 10.0 | 301 | 9.6 | T | 46 | 4 | 2.4 |
| Z | 225 | 9.9 | 306 | 9.6 | T | 47 | 4 | 2.4 |
| Z | 230 | 9.8 | 311 | 9.5 | T | 48 | 4 | 2.4 |
| Z | 235 | 9.7 | 316 | 9.5 | T | 49 | 4 | 2.4 |
| Z | 240 | 9.6 | 321 | 9.4 | T | 50 | 4 | 2.4 |
| Z | 245 | 9.5 | 326 | 9.4 | T | 51 | 4 | 2.4 |
| Z | 250 | 9.4 | 331 | 9.3 | T | 52 | 4 | 2.4 |
| Z | 255 | 9.3 | 336 | 9.3 | T | 53 | 4 | 2.4 |
| Z | 260 | 9.2 | 341 | 9.2 | T | 54 | 4 | 2.4 |
| Z | 265 | 9.1 | 346 | 9.2 | T | 55 | 4 | 2.4 |
| Z | 270 | 9.0 | 351 | 9.1 | T | 56 | 4 | 2.4 |
| Z | 275 | 8.9 | 356 | 9.1 | T | 57 | 4 | 2.4 |
| Z | 280 | 8.8 | 361 | 9.0 | T | 58 | 4 | 2.4 |
| Z | 285 | 8.7 | 366 | 9.0 | T | 59 | 4 | 2.4 |
| Z | 290 | 8.6 | 371 | 8.9 | T | 60 | 4 | 2.4 |
| Z | 295 | 8.5 | 376 | 8.9 | T | 61 | 4 | 2.4 |
| Z | 300 | 8.4 | 381 | 8.8 | T | 62 | 4 | 2.4 |
| Z | 305 | 8.3 | 386 | 8.8 | T | 63 | 4 | 2.4 |
| Z | 310 | 8.2 | 391 | 8.7 | T | 64 | 4 | 2.4 |
| Z | 315 | 8.1 | 396 | 8.7 | T | 65 | 4 | 2.4 |
| Z | 320 | 8.0 | 401 | 8.6 | T | 66 | 4 | 2.4 |
| Z | 325 | 7.9 | 406 | 8.6 | T | 67 | 4 | 2.4 |
| Z | 330 | 7.8 | 411 | 8.5 | T | 68 | 4 | 2.4 |
| Z | 335 | 7.7 | 416 | 8.5 | T | 69 | 4 | 2.4 |
| Z | 340 | 7.6 | 421 | 8.4 | T | 70 | 4 | 2.4 |
| Z | 345 | 7.5 | 426 | 8.4 | T | 71 | 4 | 2.4 |
| Z | 350 | 7.4 | 431 | 8.3 | T | 72 | 4 | 2.4 |
| Z | 355 | 7.3 | 436 | 8.3 | T | 73 | 4 | 2.4 |
| Z | 360 | 7.2 | 441 | 8.2 | T | 74 | 4 | 2.4 |
| Z | 365 | 7.1 | 446 | 8.2 | T | 75 | 4 | 2.4 |
| Z | 370 | 7.0 | 451 | 8.1 | T | 76 | 4 | 2.4 |
| Z | 375 | 6.9 | 456 | 8.1 | T | 77 | 4 | 2.4 |
| Z | 380 | 6.8 | 461 | 8.0 | T | 78 | 4 | 2.4 |
| Z | 385 | 6.7 | 466 | 8.0 | T | 79 | 4 | 2.4 |
| Z | 390 | 6.6 | 471 | 7.9 | T | 80 | 4 | 2.4 |
| Z | 395 | 6.5 | 476 | 7.9 | T | 81 | 4 | 2.4 |
| Z | 400 | 6.4 | 481 | 7.8 | T | 82 | 4 | 2.4 |
| Z | 405 | 6.3 | 486 | 7.8 | T | 83 | 4 | 2.4 |
| Z | 410 | 6.2 | 491 | 7.7 | T | 84 | 4 | 2.4 |
| Z | 415 | 6.1 | 496 | 7.7 | T | 85 | 4 | 2.4 |
| Z | 420 | 6.0 | 501 | 7.6 | T | 86 | 4 | 2.4 |
| Z | 425 | 5.9 | 506 | 7.6 | T | 87 | 4 | 2.4 |
| Z | 430 | 5.8 | 511 | 7.5 | T | 88 | 4 | 2.4 |
| Z | 435 | 5.7 | 516 | 7.5 | T | 89 | 4 | 2.4 |
| Z | 440 | 5.6 | 521 | 7.4 | T | 90 | 4 | 2.4 |
| Z | 445 | 5.5 | 526 | 7.4 | T | 91 | 4 | 2.4 |
| Z | 450 | 5.4 | 531 | 7.3 | T | 92 | 4 | 2.4 |
| Z | 455 | 5.3 | 536 | 7.3 | T | 93 | 4 | 2.4 |
| Z | 460 | 5.2 | 541 | 7.2 | T | 94 | 4 | 2.4 |
| Z | 465 | 5.1 | 546 | 7.2 | T | 95 | 4 | 2.4 |
| Z | 470 | 5.0 | 551 | 7.1 | T | 96 | 4 | 2.4 |
| Z | 475 | 4.9 | 556 | 7.1 | T | 97 | 4 | 2.4 |
| Z | 480 | 4.8 | 561 | 7.0 | T | 98 | 4 | 2.4 |
| Z | 485 | 4.7 | 566 | 7.0 | T | 99 | 4 | 2.4 |
| Z | 490 | 4.6 | 571 | 6.9 | T | 100 | 4 | 2.4 |
| Z | 495 | 4.5 | 576 | 6.9 | T | 101 | 4 | 2.4 |
| Z | 500 | 4.4 | 581 | 6.8 | T | 102 | 4 | 2.4 |
| Z | 505 | 4.3 | 586 | 6.8 | T | 103 | 4 | 2.4 |
| Z | 510 | 4.2 | 591 | 6.7 | T | 104 | 4 | 2.4 |
| Z | 515 | 4.1 | 596 | 6.7 | T | 105 | 4 | 2.4 |
| Z | 520 | 4.0 | 601 | 6.6 | T | 106 | 4 | 2.4 |
| Z | 525 | 3.9 | 606 | 6.6 | T | 107 | 4 | 2.4 |
| Z | 530 | 3.8 | 611 | 6.5 | T | 108 | 4 | 2.4 |
| Z | 535 | 3.7 | 616 | 6.5 | T | 109 | 4 | 2.4 |
| Z | 540 | 3.6 | 621 | 6.4 | T | 110 | 4 | 2.4 |
| Z | 545 | 3.5 | 626 | 6.4 | T | 111 | 4 | 2.4 |
| Z | 550 | 3.4 | 631 | 6.3 | T | 112 | 4 | 2.4 |
| Z | 555 | 3.3 | 636 | 6.3 | T | 113 | 4 | 2.4 |
| Z | 560 | 3.2 | 641 | 6.2 | T | 114 | 4 | 2.4 |
| Z | 565 | 3.1 | 646 | 6.2 | T | 115 | 4 | 2.4 |
| Z | 570 | 3.0 | 651 | 6.1 | T | 116 | 4 | 2.4 |
| Z | 575 | 2.9 | 656 | 6.1 | T | 117 | 4 | 2.4 |
| Z | 580 | 2.8 | 661 | 6.0 | T | 118 | 4 | 2.4 |
| Z | 585 | 2.7 | 666 | 6.0 | T | 119 | 4 | 2.4 |
| Z | 590 | 2.6 | 671 | 5.9 | T | 120 | 4 | 2.4 |
| Z | 595 | 2.5 | 676 | 5.9 | T | 121 | 4 | 2.4 |
| Z | 600 | 2.4 | 681 | 5.8 | T | 122 | 4 | 2.4 |
| Z | 605 | 2.3 | 686 | 5.8 | T | 123 | 4 | 2.4 |
| Z | 610 | 2.2 | 691 | 5.7 | T | 124 | 4 | 2.4 |
| Z | 615 | 2.1 | 696 | 5.7 | T | 125 | 4 | 2.4 |
| Z | 620 | 2.0 | 701 | 5.6 | T | 126 | 4 | 2.4 |
| Z | 625 | 1.9 | 706 | 5.6 | T | 127 | 4 | 2.4 |
| Z | 630 | 1.8 | 711 | 5.5 | T | 128 | 4 | 2.4 |
| Z | 635 | 1.7 | 716 | 5.5 | T | 129 | 4 | 2.4 |
| Z | 640 | 1.6 | 721 | 5.4 | T | 130 | 4 | 2.4 |
| Z | 645 | 1.5 | 726 | 5.4 | T | 131 | 4 | 2.4 |
| Z | 650 | 1.4 | 731 | 5.3 | T | 132 | 4 | 2.4 |
| Z | 655 | 1.3 | 736 | 5.3 | T | 133 | 4 | 2.4 |
| Z | 660 | 1.2 | 741 | 5.2 | T | 134 | 4 | 2.4 |
| Z | 665 | 1.1 | 746 | 5.2 | T | 135 | 4 | 2.4 |
| Z | 670 | 1.0 | 751 | 5.1 | T | 136 | 4 | 2.4 |
| Z | 675 | 0.9 | 756 | 5.1 | T | 137 | 4 | 2.4 |
| Z | 680 | 0.8 | 761 | 5.0 | T | 138 | 4 | 2.4 |
| Z | 685 | 0.7 | 766 | 5.0 | T | 139 | 4 | 2.4 |
| Z | 690 | 0.6 | 771 | 4.9 | T | 140 | 4 | 2.4 |
| Z | 695 | 0.5 | 776 | 4.9 | T | 141 | 4 | 2.4 |
| Z | 700 | 0.4 | 781 | 4.8 | T | 142 | 4 | 2.4 |
| Z | 705 | 0.3 | 786 | 4.8 | T | 143 | 4 | 2.4 |
| Z | 710 | 0.2 | 791 | 4.7 | T | 144 | 4 | 2.4 |
| Z | 715 | 0.1 | 796 | 4.7 | T | 145 | 4 | 2.4 |
| Z | 720 | 0.0 | 801 | 4.6 | T | 146 | 4 | 2.4 |
| Z | 725 | 0.0 | 806 | 4.6 | T | 147 | 4 | 2.4 |
| Z | 730 | 0.0 | 811 | 4.5 | T | 148 | 4 | 2.4 |
| Z | 735 | 0.0 | 816 | 4.5 | T | 149 | 4 | 2.4 |
| Z | 740 | 0.0 | 821 | 4.4 | T | 150 | 4 | 2.4 |
| Z | 745 | 0.0 | 826 | 4.4 | T | 151 | 4 | 2.4 |
| Z | 750 | 0.0 | 831 | 4.3 | T | 152 | 4 | 2.4 |
| Z | 755 | 0.0 | 836 | 4.3 | T | 153 | 4 | 2.4 |
| Z | 760 | 0.0 | 841 | 4.2 | T | 154 | 4 | 2.4 |
| Z | 765 | 0.0 | | | | | | |

XBT DAY TIME TYPE
34 248 430 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|-----|------|---|-----|---|------|---|-----|---|------|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|
| Z | 0 | 26.4 | T | 0 | 26.4 | Z | 165 | T | 11.9 | Z | 253 | T | 11.0 | Z | 336 | T | 9.3 | Z | 422 | T | 7.5 | Z | 506 | T | 5.7 | Z | 591 | T | 4.7 | Z | 675 | T | 4.0 |
| | 5 | 26.3 | | 84 | 13.3 | | 172 | | 11.8 | | 260 | | 10.8 | | 342 | | 9.2 | | 427 | | 7.4 | | 511 | | 5.6 | | 596 | | 4.6 | | 680 | | 3.9 |
| | 9 | 25.9 | | 89 | 13.1 | | 178 | | 11.8 | | 263 | | 10.8 | | 347 | | 9.1 | | 431 | | 7.3 | | 516 | | 5.5 | | 600 | | 4.5 | | 685 | | 3.9 |
| | 14 | 25.8 | | 98 | 12.9 | | 183 | | 11.8 | | 267 | | 10.7 | | 352 | | 9.0 | | 436 | | 7.2 | | 520 | | 5.5 | | 605 | | 4.5 | | 689 | | 3.9 |
| | 19 | 25.7 | | 103 | 12.8 | | 188 | | 11.7 | | 272 | | 10.5 | | 356 | | 8.9 | | 441 | | 7.1 | | 525 | | 5.5 | | 610 | | 4.5 | | 694 | | 3.8 |
| | 23 | 24.9 | | 108 | 12.7 | | 193 | | 11.7 | | 277 | | 10.5 | | 361 | | 8.8 | | 445 | | 7.0 | | 530 | | 5.4 | | 614 | | 4.4 | | 699 | | 3.7 |
| | 28 | 23.0 | | 113 | 12.6 | | 197 | | 11.6 | | 281 | | 10.3 | | 366 | | 8.7 | | 450 | | 6.9 | | 535 | | 5.4 | | 619 | | 4.4 | | 703 | | 3.6 |
| | 33 | 20.6 | | 117 | 12.5 | | 202 | | 11.6 | | 286 | | 10.4 | | 370 | | 8.6 | | 455 | | 6.8 | | 539 | | 5.3 | | 624 | | 4.4 | | 708 | | 3.5 |
| | 38 | 18.6 | | 122 | 12.4 | | 206 | | 11.5 | | 291 | | 10.3 | | 375 | | 8.6 | | 460 | | 6.6 | | 544 | | 5.2 | | 628 | | 4.4 | | 713 | | 3.4 |
| | 42 | 17.8 | | 127 | 12.4 | | 211 | | 11.5 | | 296 | | 10.2 | | 380 | | 8.5 | | 464 | | 6.5 | | 549 | | 5.2 | | 633 | | 4.3 | | 715 | | |
| | 47 | 16.9 | | 131 | 12.3 | | 216 | | 11.4 | | 300 | | 10.1 | | 385 | | 8.4 | | 469 | | 6.4 | | 553 | | 5.1 | | 638 | | 4.3 | | | | |
| | 52 | 16.5 | | 136 | 12.2 | | 220 | | 11.4 | | 305 | | 10.0 | | 389 | | 8.2 | | 474 | | 6.3 | | 558 | | 5.1 | | 642 | | 4.2 | | | | |
| | 56 | 16.1 | | 141 | 12.1 | | 225 | | 11.4 | | 309 | | 9.9 | | 394 | | 8.1 | | 478 | | 6.2 | | 563 | | 5.0 | | 647 | | 4.2 | | | | |
| | 61 | 15.5 | | 145 | 12.1 | | 230 | | 11.3 | | 314 | | 9.8 | | 399 | | 8.0 | | 483 | | 6.1 | | 567 | | 5.0 | | 652 | | 4.2 | | | | |
| | 66 | 15.0 | | 150 | 12.0 | | 234 | | 11.3 | | 319 | | 9.7 | | 403 | | 7.9 | | 488 | | 5.9 | | 572 | | 4.9 | | 656 | | 4.1 | | | | |
| | 70 | 14.4 | | 155 | 12.0 | | 238 | | 11.2 | | 324 | | 9.5 | | 408 | | 7.8 | | 492 | | 5.9 | | 577 | | 4.9 | | 661 | | 4.1 | | | | |
| | 75 | 13.8 | | 159 | 12.0 | | 243 | | 11.1 | | 328 | | 9.4 | | 413 | | 7.7 | | 497 | | 5.8 | | 581 | | 4.8 | | 666 | | 4.1 | | | | |
| | 80 | 13.5 | | 164 | 11.9 | | 248 | | 11.1 | | 333 | | 9.3 | | 417 | | 7.6 | | 502 | | 5.8 | | 586 | | 4.7 | | 671 | | 4.0 | | | | |

[illegible]

| DAY | TIME | TYPE |
|-----|------|------|
| 36 | 248 | 1830 |
| 37 | 248 | 1830 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89</ | | | | | | | | | | | |

| | | | |
|----|------|------|---|
| 2 | 0 | 94.0 | 1 |
| 2 | 5 | 86.7 | 1 |
| 9 | 26.5 | 12.7 | 1 |
| 14 | 34.4 | 12.7 | 1 |
| 23 | 25.7 | 12.5 | 1 |
| 33 | 22.4 | 12.4 | 1 |
| 33 | 22.4 | 12.2 | 1 |
| 38 | 20.9 | 11.9 | 1 |
| 47 | 17.1 | 11.0 | 1 |
| 52 | 16.4 | 11.0 | 1 |
| 56 | 15.7 | 11.7 | 1 |
| 61 | 15.1 | 11.6 | 1 |
| 66 | 14.4 | 11.6 | 1 |
| 75 | 13.4 | 11.5 | 1 |
| 80 | 13.0 | 11.5 | 1 |
| 0 | 0 | 11.2 | 1 |
| 2 | 249 | 10.3 | 1 |
| 2 | 249 | 10.3 | 2 |
| 2 | 244 | 10.4 | 1 |
| 2 | 244 | 10.4 | 2 |
| 2 | 238 | 10.5 | 1 |
| 2 | 238 | 10.5 | 2 |
| 2 | 234 | 10.6 | 1 |
| 2 | 234 | 10.6 | 2 |
| 2 | 202 | 10.8 | 1 |
| 2 | 202 | 10.8 | 2 |
| 2 | 197 | 10.9 | 1 |
| 2 | 197 | 10.9 | 2 |
| 2 | 188 | 10.1 | 1 |
| 2 | 188 | 10.1 | 2 |
| 2 | 183 | 11.1 | 1 |
| 2 | 183 | 11.1 | 2 |
| 2 | 175 | 11.2 | 1 |
| 2 | 175 | 11.2 | 2 |
| 2 | 165 | 11.3 | 1 |
| 2 | 165 | 11.3 | 2 |
| 2 | 152 | 10.9 | 1 |
| 2 | 152 | 10.9 | 2 |
| 2 | 141 | 11.0 | 1 |
| 2 | 141 | 11.0 | 2 |
| 2 | 130 | 12.5 | 1 |
| 2 | 130 | 12.5 | 2 |
| 2 | 127 | 12.2 | 1 |
| 2 | 127 | 12.2 | 2 |
| 2 | 117 | 12.4 | 1 |
| 2 | 117 | 12.4 | 2 |
| 2 | 113 | 12.4 | 1 |
| 2 | 113 | 12.4 | 2 |
| 2 | 103 | 12.7 | 1 |
| 2 | 103 | 12.7 | 2 |
| 2 | 94 | 12.7 | 1 |
| 2 | 94 | 12.7 | 2 |
| 2 | 89 | 12.0 | 1 |
| 2 | 89 | 12.0 | 2 |
| 2 | 84 | 12.0 | 1 |
| 2 | 84 | 12.0 | 2 |
| 2 | 79 | 11.5 | 1 |
| 2 | 79 | 11.5 | 2 |
| 2 | 75 | 11.4 | 1 |
| 2 | 75 | 11.4 | 2 |
| 2 | 66 | 10.9 | 1 |
| 2 | 66 | 10.9 | 2 |
| 2 | 61 | 10.5 | 1 |
| 2 | 61 | 10.5 | 2 |
| 2 | 56 | 10.4 | 1 |
| 2 | 56 | 10.4 | 2 |
| 2 | 52 | 10.4 | 1 |
| 2 | 52 | 10.4 | 2 |
| 2 | 47 | 10.6 | 1 |
| 2 | 47 | 10.6 | 2 |
| 2 | 42 | 10.7 | 1 |
| 2 | 42 | 10.7 | 2 |
| 2 | 38 | 10.8 | 1 |
| 2 | 38 | 10.8 | 2 |
| 2 | 33 | 10.9 | 1 |
| 2 | 33 | 10.9 | 2 |
| 2 | 28 | 11.0 | 1 |
| 2 | 28 | 11.0 | 2 |
| 2 | 23 | 11.1 | 1 |
| 2 | 23 | 11.1 | 2 |
| 2 | 19 | 11.2 | 1 |
| 2 | 19 | 11.2 | 2 |
| 2 | 15 | 11.3 | 1 |
| 2 | 15 | 11.3 | 2 |
| 2 | 12 | 11.4 | 1 |
| 2 | 12 | 11.4 | 2 |
| 2 | 9 | 11.5 | 1 |
| 2 | 9 | 11.5 | 2 |
| 2 | 5 | 11.6 | 1 |
| 2 | 5 | 11.6 | 2 |
| 2 | 2 | 11.7 | 1 |
| 2 | 2 | 11.7 | 2 |
| 2 | 0 | 11.8 | 1 |
| 2 | 0 | 11.8 | 2 |
| 2 | 0 | 11.9 | 1 |
| 2 | 0 | 11.9 | 2 |
| 2 | 0 | 12.0 | 1 |
| 2 | 0 | 12.0 | 2 |
| 2 | 0 | 12.1 | 1 |
| 2 | 0 | 12.1 | 2 |
| 2 | 0 | 12.2 | 1 |
| 2 | 0 | 12.2 | 2 |
| 2 | 0 | 12.3 | 1 |
| 2 | 0 | 12.3 | 2 |
| 2 | 0 | 12.4 | 1 |
| 2 | 0 | 12.4 | 2 |
| 2 | 0 | 12.5 | 1 |
| 2 | 0 | 12.5 | 2 |
| 2 | 0 | 12.6 | 1 |
| 2 | 0 | 12.6 | 2 |
| 2 | 0 | 12.7 | 1 |
| 2 | 0 | 12.7 | 2 |
| 2 | 0 | 12.8 | 1 |
| 2 | 0 | 12.8 | 2 |
| 2 | 0 | 12.9 | 1 |
| 2 | 0 | 12.9 | 2 |
| 2 | 0 | 13.0 | 1 |
| 2 | 0 | 13.0 | 2 |
| 2 | 0 | 13.1 | 1 |
| 2 | 0 | 13.1 | 2 |
| 2 | 0 | 13.2 | 1 |
| 2 | 0 | 13.2 | 2 |
| 2 | 0 | 13.3 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 8 | | | | | | | | | | | | |

XBT LAY TIME TYPE
40 249 14 0 7

| | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2 | 0 | 24.7 | 84 | 11.7 | 10.9 | 9.8 | 336 | 8.5 | 7.0 | 506 | 5.5 | 591 | 4.4 | 675 | 3.8 |
| 5 | 24.7 | 84 | 11.7 | 10.9 | 9.8 | 336 | 8.5 | 7.0 | 506 | 5.5 | 591 | 4.4 | 675 | 3.8 | |
| 9 | 24.7 | 84 | 11.7 | 10.9 | 9.8 | 336 | 8.5 | 7.0 | 506 | 5.5 | 591 | 4.4 | 675 | 3.8 | |
| 14 | 24.7 | 84 | 11.7 | 10.9 | 9.8 | 336 | 8.5 | 7.0 | 506 | 5.5 | 591 | 4.4 | 675 | 3.8 | |
| 19 | 24.7 | 84 | 11.7 | 10.9 | 9.8 | 336 | 8.5 | 7.0 | 506 | 5.5 | 591 | 4.4 | 675 | 3.8 | |
| 23 | 22.2 | 103 | 11.2 | 10.5 | 9.4 | 356 | 8.2 | 6.5 | 525 | 5.2 | 605 | 4.3 | 689 | 3.7 | |
| 28 | 20.0 | 103 | 11.2 | 10.5 | 9.4 | 356 | 8.2 | 6.5 | 525 | 5.2 | 605 | 4.3 | 689 | 3.7 | |
| 33 | 18.2 | 117 | 11.1 | 10.5 | 9.3 | 366 | 8.0 | 6.4 | 530 | 5.1 | 614 | 4.2 | 699 | 3.7 | |
| 38 | 16.2 | 117 | 11.1 | 10.5 | 9.3 | 366 | 8.0 | 6.4 | 530 | 5.1 | 614 | 4.2 | 699 | 3.7 | |
| 42 | 15.4 | 127 | 11.0 | 10.4 | 9.2 | 370 | 7.9 | 6.2 | 539 | 5.0 | 624 | 4.2 | 703 | 3.6 | |
| 47 | 14.7 | 131 | 11.0 | 10.4 | 9.2 | 370 | 7.9 | 6.2 | 539 | 5.0 | 624 | 4.2 | 703 | 3.6 | |
| 52 | 14.2 | 136 | 10.9 | 10.3 | 9.1 | 380 | 7.7 | 6.0 | 549 | 4.9 | 633 | 4.1 | 713 | 3.6 | |
| 56 | 13.5 | 141 | 10.9 | 10.3 | 9.1 | 380 | 7.7 | 6.0 | 549 | 4.9 | 633 | 4.1 | 713 | 3.6 | |
| 61 | 12.9 | 145 | 10.8 | 10.2 | 9.0 | 389 | 7.6 | 5.9 | 558 | 4.8 | 642 | 4.1 | 715 | 3.6 | |
| 66 | 12.5 | 150 | 10.8 | 10.2 | 9.0 | 394 | 7.5 | 5.8 | 563 | 4.7 | 647 | 4.0 | 715 | 3.6 | |
| 70 | 12.2 | 155 | 10.7 | 10.1 | 8.8 | 399 | 7.4 | 5.7 | 567 | 4.7 | 652 | 4.0 | 715 | 3.6 | |
| 75 | 12.0 | 159 | 10.7 | 10.0 | 8.6 | 403 | 7.3 | 5.6 | 572 | 4.6 | 656 | 3.9 | 715 | 3.6 | |
| 80 | 11.9 | 164 | 10.6 | 9.9 | 8.5 | 408 | 7.2 | 5.5 | 577 | 4.5 | 661 | 3.9 | 715 | 3.6 | |
| | | | | | | 413 | 7.2 | 5.5 | 581 | 4.5 | 666 | 3.9 | 715 | 3.6 | |
| | | | | | | 417 | 7.1 | 5.5 | 586 | 4.4 | 671 | 3.9 | 715 | 3.6 | |

XBT LAY TIME TYPE
41 049 22 0 5

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|------|-----|------|---|-----|-----|---|------|-----|---|-----|------|---|------|---|-----|------|---|-----|------|---|-----|------|---|------|-----|-----|
| 2 | 0 | 35.0 | 7 | 205 | 10.7 | 1 | 1.0 | 140 | 2 | 0.0 | 145 | 2 | 2.4 | 1230 | 7 | 1025 | 2 | 5.5 | 820 | 2 | 2.6 | 1025 | 2 | 2.4 | 1230 | 2 | 0.0 | 140 | 1.0 |
| 5 | 35.5 | 210 | 10.9 | 210 | 10.9 | 4 | 1.1 | 145 | 2 | 2.00 | 145 | 2 | 2.5 | 1240 | 7 | 1035 | 2 | 3.4 | 825 | 2 | 2.7 | 1035 | 2 | 2.7 | 1240 | 2 | 2.00 | 145 | 1.1 |
| 10 | 35.4 | 215 | 10.6 | 215 | 10.6 | 4 | 1.6 | 150 | 2 | 2.0 | 150 | 2 | 3.0 | 1245 | 7 | 1040 | 2 | 3.4 | 835 | 2 | 2.7 | 1040 | 2 | 2.7 | 1245 | 2 | 2.0 | 150 | 1.7 |
| 15 | 35.3 | 220 | 10.5 | 220 | 10.5 | 4 | 1.5 | 155 | 2 | 2.0 | 155 | 2 | 3.0 | 1250 | 7 | 1045 | 2 | 3.4 | 840 | 2 | 2.7 | 1045 | 2 | 2.7 | 1250 | 2 | 2.0 | 160 | 1.7 |
| 20 | 35.0 | 225 | 10.3 | 225 | 10.3 | 4 | 1.5 | 160 | 2 | 2.0 | 160 | 2 | 3.0 | 1255 | 7 | 1050 | 2 | 3.4 | 845 | 2 | 2.7 | 1050 | 2 | 2.7 | 1255 | 2 | 2.0 | 165 | 1.7 |
| 25 | 34.3 | 230 | 10.4 | 230 | 10.4 | 4 | 1.4 | 165 | 2 | 2.0 | 165 | 2 | 3.0 | 1260 | 7 | 1055 | 2 | 3.4 | 850 | 2 | 2.7 | 1055 | 2 | 2.7 | 1260 | 2 | 2.0 | 170 | 1.7 |
| 30 | 32.7 | 235 | 10.4 | 235 | 10.4 | 4 | 1.4 | 170 | 2 | 2.0 | 170 | 2 | 3.0 | 1265 | 7 | 1060 | 2 | 3.2 | 855 | 2 | 2.7 | 1060 | 2 | 2.7 | 1265 | 2 | 2.0 | 175 | 1.7 |
| 35 | 30.0 | 240 | 10.2 | 240 | 10.2 | 4 | 1.4 | 175 | 2 | 2.0 | 175 | 2 | 3.0 | 1270 | 7 | 1065 | 2 | 3.2 | 860 | 2 | 2.6 | 1065 | 2 | 2.6 | 1270 | 2 | 2.0 | 180 | 1.7 |
| 40 | 28.9 | 245 | 10.2 | 245 | 10.2 | 4 | 1.2 | 180 | 2 | 2.0 | 180 | 2 | 3.0 | 1275 | 7 | 1070 | 2 | 3.2 | 865 | 2 | 2.6 | 1070 | 2 | 2.6 | 1275 | 2 | 2.0 | 185 | 1.7 |
| 45 | 27.4 | 250 | 10.2 | 250 | 10.2 | 4 | 1.2 | 185 | 2 | 2.0 | 185 | 2 | 3.0 | 1280 | 7 | 1075 | 2 | 3.2 | 870 | 2 | 2.6 | 1075 | 2 | 2.6 | 1280 | 2 | 2.0 | 190 | 1.7 |
| 50 | 27.0 | 255 | 10.2 | 255 | 10.2 | 4 | 1.1 | 190 | 2 | 2.0 | 190 | 2 | 3.0 | 1285 | 7 | 1080 | 2 | 3.2 | 875 | 2 | 2.6 | 1080 | 2 | 2.6 | 1285 | 2 | 2.0 | 195 | 1.7 |
| 55 | 26.3 | 260 | 10.2 | 260 | 10.2 | 4 | 1.1 | 195 | 2 | 2.0 | 195 | 2 | 3.0 | 1290 | 7 | 1085 | 2 | 3.2 | 880 | 2 | 2.6 | 1085 | 2 | 2.6 | 1290 | 2 | 2.0 | 200 | 1.7 |
| 60 | 25.6 | 265 | 10.2 | 265 | 10.2 | 4 | 1.1 | 200 | 2 | 2.0 | 200 | 2 | 3.0 | 1295 | 7 | 1090 | 2 | 3.2 | 885 | 2 | 2.6 | 1090 | 2 | 2.6 | 1295 | 2 | 2.0 | 205 | 1.7 |
| 65 | 24.9 | 270 | 10.1 | 270 | 10.1 | 4 | 1.0 | 205 | 2 | 2.0 | 205 | 2 | 3.0 | 1300 | 7 | 1095 | 2 | 3.2 | 890 | 2 | 2.6 | 1095 | 2 | 2.6 | 1300 | 2 | 2.0 | 210 | 1.7 |
| 70 | 24.1 | 275 | 10.1 | 275 | 10.1 | 4 | 1.0 | 210 | 2 | 2.0 | 210 | 2 | 3.0 | 1305 | 7 | 1100 | 2 | 3.2 | 895 | 2 | 2.6 | 1100 | 2 | 2.6 | 1305 | 2 | 2.0 | 215 | 1.7 |
| 75 | 23.2 | 280 | 10.1 | 280 | 10.1 | 4 | 1.0 | 215 | 2 | 2.0 | 215 | 2 | 3.0 | 1310 | 7 | 1105 | 2 | 3.2 | 900 | 2 | 2.6 | 1105 | 2 | 2.6 | 1310 | 2 | 2.0 | 220 | 1.7 |
| 80 | 22.7 | 285 | 10.1 | 285 | 10.1 | 4 | 1.0 | 220 | 2 | 2.0 | 220 | 2 | 3.0 | 1315 | 7 | 1110 | 2 | 3.2 | 905 | 2 | 2.6 | 1110 | 2 | 2.6 | 1315 | 2 | 2.0 | 225 | 1.7 |
| 85 | 22.7 | 290 | 10.1 | 290 | 10.1 | 4 | 1.0 | 225 | 2 | 2.0 | 225 | 2 | 3.0 | 1320 | 7 | 1115 | 2 | 3.2 | 910 | 2 | 2.6 | 1115 | 2 | 2.6 | 1320 | 2 | 2.0 | 230 | 1.7 |
| 90 | 22.3 | 295 | 10.1 | 295 | 10.1 | 4 | 1.0 | 230 | 2 | 2.0 | 230 | 2 | 3.0 | 1325 | 7 | 1120 | 2 | 3.2 | 915 | 2 | 2.6 | 1120 | 2 | 2.6 | 1325 | 2 | 2.0 | 235 | 1.7 |
| 95 | 22.2 | 300 | 10.0 | 300 | 10.0 | 4 | 1.0 | 235 | 2 | 2.0 | 235 | 2 | 3.0 | 1330 | 7 | 1125 | 2 | 3.2 | 920 | 2 | 2.6 | 1125 | 2 | 2.6 | 1330 | 2 | 2.0 | 240 | 1.7 |
| 100 | 22.2 | 305 | 10.0 | 305 | 10.0 | 4 | 1.0 | 240 | 2 | 2.0 | 240 | 2 | 3.0 | 1335 | 7 | 1130 | 2 | 3.2 | 925 | 2 | 2.6 | 1130 | 2 | 2.6 | 1335 | 2 | 2.0 | 245 | 1.7 |
| 105 | 22.2 | 310 | 10.0 | 310 | 10.0 | 4 | 1.0 | 245 | 2 | 2.0 | 245 | 2 | 3.0 | 1340 | 7 | 1135 | 2 | 3.2 | 930 | 2 | 2.6 | 1135 | 2 | 2.6 | 1340 | 2 | 2.0 | 250 | 1.7 |
| 110 | 22.1 | 315 | 10.0 | 315 | 10.0 | 4 | 1.0 | 250 | 2 | 2.0 | 250 | 2 | 3.0 | 1345 | 7 | 1140 | 2 | 3.2 | 935 | 2 | 2.6 | 1140 | 2 | 2.6 | 1345 | 2 | 2.0 | 255 | 1.7 |
| 115 | 21.9 | 320 | 9.9 | 320 | 9.9 | 4 | 1.0 | 255 | 2 | 2.0 | 255 | 2 | 3.0 | 1350 | 7 | 1145 | 2 | 3.2 | 940 | 2 | 2.5 | 1145 | 2 | 2.5 | 1350 | 2 | 2.0 | 260 | 1.7 |
| 120 | 21.7 | 325 | 9.8 | 325 | 9.8 | 4 | 1.0 | 260 | 2 | 2.0 | 260 | 2 | 3.0 | 1355 | 7 | 1150 | 2 | 3.2 | 945 | 2 | 2.5 | 1150 | 2 | 2.5 | 1355 | 2 | 2.0 | 265 | 1.7 |
| 125 | 21.6 | 330 | 9.7 | 330 | 9.7 | 4 | 1.0 | 265 | 2 | 2.0 | 265 | 2 | 3.0 | 1360 | 7 | 1155 | 2 | 3.2 | 950 | 2 | 2.5 | 1155 | 2 | 2.5 | 1360 | 2 | 2.0 | 270 | 1.6 |
| 130 | 21.5 | 335 | 9.5 | 335 | 9.5 | 4 | 1.0 | 270 | 2 | 2.0 | 270 | 2 | 3.0 | 1365 | 7 | 1160 | 2 | 3.2 | 955 | 2 | 2.5 | 1160 | 2 | 2.5 | 1365 | 2 | 2.0 | 275 | 1.6 |
| 135 | 21.5 | 340 | 9.5 | 340 | 9.5 | 4 | 1.0 | 275 | 2 | 2.0 | 275 | 2 | 3.0 | 1370 | 7 | 1165 | 2 | 3.2 | 960 | 2 | 2.5 | 1165 | 2 | 2.5 | 1370 | 2 | 2.0 | 280 | 1.6 |
| 140 | 21.4 | 345 | 9.4 | 345 | 9.4 | 4 | 1.0 | 280 | 2 | 2.0 | 280 | 2 | 3.0 | 1375 | 7 | 1170 | 2 | 3.2 | 965 | 2 | 2.5 | 1170 | 2 | 2.5 | 1375 | 2 | 2.0 | 285 | 1.6 |
| 145 | 21.3 | 350 | 9.2 | 350 | 9.2 | 4 | 1.0 | 285 | 2 | 2.0 | 285 | 2 | 3.0 | 1380 | 7 | 1175 | 2 | 3.2 | 970 | 2 | 2.5 | 1175 | 2 | 2.5 | 1380 | 2 | 2.0 | 290 | 1.6 |
| 150 | 21.3 | 355 | 9.1 | 355 | 9.1 | 4 | 1.0 | 290 | 2 | 2.0 | 290 | 2 | 3.0 | 1385 | 7 | 1180 | 2 | 3.2 | 975 | 2 | 2.5 | 1180 | 2 | 2.5 | 1385 | 2 | 2.0 | 295 | 1.6 |
| 155 | 21.2 | 360 | 9.1 | 360 | 9.1 | 4 | 1.0 | 295 | 2 | 2.0 | 295 | 2 | 3.0 | 1390 | 7 | 1185 | 2 | 3.2 | 980 | 2 | 2.5 | 1185 | 2 | 2.5 | 1390 | 2 | 2.0 | 300 | 1.6 |
| 160 | 21.1 | 365 | 9.1 | 365 | 9.1 | 4 | 1.0 | 300 | 2 | 2.0 | 300 | 2 | 3.0 | 1395 | 7 | 1190 | 2 | 3.2 | 985 | 2 | 2.5 | 1190 | 2 | 2.5 | 1395 | 2 | 2.0 | 305 | 1.6 |
| 165 | 21.1 | 370 | 9.0 | 370 | 9.0 | 4 | 1.0 | 305 | 2 | 2.0 | 305 | 2 | 3.0 | 1400 | 7 | 1195 | 2 | 3.2 | 990 | 2 | 2.4 | 1195 | 2 | 2.4 | 1400 | 2 | 2.0 | 310 | 1.6 |
| 170 | 21.1 | 375 | 9.0 | 375 | 9.0 | 4 | 1.0 | 310 | 2 | 2.0 | 310 | 2 | 3.0 | 1405 | 7 | 1200 | 2 | 3.2 | 995 | 2 | 2.4 | 1200 | 2 | 2.4 | 1405 | 2 | 2.0 | 315 | 1.6 |
| 175 | 21.0 | 380 | 8.9 | 380 | 8.9 | 4 | 1.0 | 315 | 2 | 2.0 | 315 | 2 | 3.0 | 1410 | 7 | 1205 | 2 | 3.2 | 1000 | 2 | 2.4 | 1205 | 2 | 2.4 | 1410 | 2 | 2.0 | 320 | 1.6 |
| 180 | 20.9 | 385 | 8.7 | 385 | 8.7 | 4 | 1.0 | 320 | 2 | 2.0 | 320 | 2 | 3.0 | 1415 | 7 | 1210 | 2 | 3.2 | 1005 | 2 | 2.4 | 1210 | 2 | 2.4 | 1415 | 2 | 2.0 | 325 | 1.6 |
| 185 | 20.9 | 390 | 8.6 | 390 | 8.6 | 4 | 1.0 | 325 | 2 | 2.0 | 325 | 2 | 3.0 | 1420 | 7 | 1215 | 2 | 3.2 | 1010 | 2 | 2.4 | 1215 | 2 | 2.4 | 1420 | 2 | 2.0 | 330 | 1.6 |
| 190 | 20.8 | 395 | 8.6 | 395 | 8.6 | 4 | 1.0 | 330 | 2 | 2.0 | 330 | 2 | 3.0 | 1425 | 7 | 1220 | 2 | 3.2 | 1015 | 2 | 2.4 | 1220 | 2 | 2.4 | 1425 | 2 | 2.0 | 335 | 1.6 |
| 195 | 20.8 | 400 | 8.5 | 400 | 8.5 | 4 | 1.0 | 335 | 2 | 2.0 | 335 | 2 | 3.0 | 1430 | 7 | 1225 | 2 | 3.2 | 1020 | 2 | 2.4 | 1225 | 2 | 2.4 | 1430 | 2 | 2.0 | 340 | 1.6 |
| 200 | 20.7 | 405 | 8.4 | 405 | 8.4 | 4 | 1.0 | 340 | 2 | 2.0 | 340 | 2 | 3.0 | 1435 | 7 | 1230 | 2 | 3.2 | 1025 | 2 | 2.4 | 1230 | 2 | 2.4 | 1435 | 2 | 2.0 | 345 | 1.6 |

[illegible]

XBT LAY TIME TYPE
43 250 10 0 5

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|-----|-----|------|----|-----|----|----|----|-----|-----|-----|----|------|-----|-----|----|------|-----|-----|----|------|-----|-----|----|------|-----|-----|
| 2 | 0 | 25.0 | 7 | 205 | 12.3 | 43 | 9.5 | 2 | 43 | 2 | 615 | 7 | 5.8 | 2 | 820 | 7 | 3.8 | 2 | 1025 | 7 | 3.1 | 2 | 1235 | 7 | 2.7 | 2 | 1440 | 7 | 2.0 |
| 5 | 25.9 | 13.1 | 9.4 | 210 | 12.2 | 42 | 9.4 | 3 | 42 | 3 | 620 | 5.7 | 3.8 | 3 | 825 | 5.7 | 3.8 | 3 | 1030 | 5.7 | 3.1 | 3 | 1240 | 5.7 | 2.7 | 3 | 1445 | 5.7 | 2.0 |
| 10 | 26.9 | 13.5 | 9.3 | 215 | 12.2 | 41 | 9.3 | 4 | 41 | 4 | 630 | 3.7 | 3.7 | 4 | 835 | 3.7 | 3.7 | 4 | 1045 | 3.7 | 3.1 | 4 | 1255 | 3.7 | 2.7 | 4 | 1455 | 3.7 | 2.0 |
| 15 | 28.9 | 13.9 | 9.2 | 220 | 12.1 | 40 | 9.2 | 5 | 40 | 5 | 640 | 3.7 | 3.7 | 5 | 845 | 3.7 | 3.7 | 5 | 1055 | 3.7 | 3.1 | 5 | 1265 | 3.7 | 2.6 | 5 | 1465 | 3.7 | 2.0 |
| 20 | 29.2 | 14.1 | 9.1 | 225 | 12.0 | 39 | 9.1 | 6 | 39 | 6 | 645 | 3.7 | 3.7 | 6 | 850 | 3.7 | 3.7 | 6 | 1055 | 3.7 | 3.1 | 6 | 1265 | 3.7 | 2.6 | 6 | 1465 | 3.7 | 2.0 |
| 25 | 31.7 | 14.4 | 8.9 | 230 | 12.0 | 38 | 8.9 | 7 | 38 | 7 | 650 | 3.7 | 3.7 | 7 | 855 | 3.7 | 3.7 | 7 | 1055 | 3.7 | 3.1 | 7 | 1265 | 3.7 | 2.6 | 7 | 1465 | 3.7 | 2.0 |
| 30 | 31.7 | 14.4 | 8.9 | 235 | 12.0 | 37 | 8.9 | 8 | 37 | 8 | 655 | 3.7 | 3.7 | 8 | 860 | 3.7 | 3.7 | 8 | 1055 | 3.7 | 3.1 | 8 | 1265 | 3.7 | 2.6 | 8 | 1465 | 3.7 | 2.0 |
| 35 | 31.7 | 14.4 | 8.9 | 240 | 12.0 | 36 | 8.9 | 9 | 36 | 9 | 660 | 3.7 | 3.7 | 9 | 865 | 3.7 | 3.7 | 9 | 1055 | 3.7 | 3.1 | 9 | 1265 | 3.7 | 2.6 | 9 | 1465 | 3.7 | 2.0 |
| 40 | 36.4 | 14.5 | 8.7 | 245 | 11.9 | 35 | 8.7 | 10 | 35 | 10 | 665 | 3.7 | 3.7 | 10 | 865 | 3.7 | 3.7 | 10 | 1055 | 3.7 | 3.1 | 10 | 1265 | 3.7 | 2.6 | 10 | 1465 | 3.7 | 2.0 |
| 45 | 38.2 | 14.8 | 8.6 | 250 | 11.9 | 34 | 8.6 | 11 | 34 | 11 | 670 | 3.6 | 3.6 | 11 | 870 | 3.6 | 3.6 | 11 | 1055 | 3.7 | 3.1 | 11 | 1265 | 3.7 | 2.6 | 11 | 1465 | 3.7 | 2.0 |
| 50 | 37.0 | 15.0 | 8.5 | 255 | 11.8 | 33 | 8.5 | 12 | 33 | 12 | 675 | 3.6 | 3.6 | 12 | 875 | 3.6 | 3.6 | 12 | 1055 | 3.7 | 3.1 | 12 | 1265 | 3.7 | 2.6 | 12 | 1465 | 3.7 | 2.0 |
| 55 | 37.0 | 15.0 | 8.5 | 260 | 11.8 | 32 | 8.5 | 13 | 32 | 13 | 680 | 3.6 | 3.6 | 13 | 880 | 3.6 | 3.6 | 13 | 1055 | 3.7 | 3.1 | 13 | 1265 | 3.7 | 2.6 | 13 | 1465 | 3.7 | 2.0 |
| 60 | 36.3 | 15.1 | 8.3 | 265 | 11.7 | 31 | 8.3 | 14 | 31 | 14 | 675 | 3.6 | 3.6 | 14 | 885 | 3.6 | 3.6 | 14 | 1055 | 3.7 | 3.1 | 14 | 1265 | 3.7 | 2.6 | 14 | 1465 | 3.7 | 2.0 |
| 65 | 35.7 | 15.3 | 8.2 | 270 | 11.6 | 30 | 8.2 | 15 | 30 | 15 | 680 | 3.6 | 3.6 | 15 | 890 | 3.6 | 3.6 | 15 | 1055 | 3.7 | 3.1 | 15 | 1265 | 3.7 | 2.6 | 15 | 1465 | 3.7 | 2.0 |
| 70 | 35.7 | 15.3 | 8.2 | 275 | 11.6 | 29 | 8.2 | 16 | 29 | 16 | 685 | 3.6 | 3.6 | 16 | 895 | 3.6 | 3.6 | 16 | 1055 | 3.7 | 3.1 | 16 | 1265 | 3.7 | 2.6 | 16 | 1465 | 3.7 | 2.0 |
| 75 | 35.1 | 15.5 | 8.1 | 280 | 11.5 | 28 | 8.1 | 17 | 28 | 17 | 690 | 3.5 | 3.5 | 17 | 900 | 3.5 | 3.5 | 17 | 1055 | 3.7 | 3.1 | 17 | 1265 | 3.7 | 2.6 | 17 | 1465 | 3.7 | 2.0 |
| 80 | 34.5 | 15.7 | 8.0 | 285 | 11.4 | 27 | 8.0 | 18 | 27 | 18 | 695 | 3.5 | 3.5 | 18 | 905 | 3.5 | 3.5 | 18 | 1055 | 3.7 | 3.1 | 18 | 1265 | 3.7 | 2.6 | 18 | 1465 | 3.7 | 2.0 |
| 85 | 34.5 | 15.7 | 8.0 | 290 | 11.4 | 26 | 8.0 | 19 | 26 | 19 | 700 | 3.5 | 3.5 | 19 | 910 | 3.5 | 3.5 | 19 | 1055 | 3.7 | 3.1 | 19 | 1265 | 3.7 | 2.6 | 19 | 1465 | 3.7 | 2.0 |
| 90 | 34.3 | 15.8 | 7.9 | 295 | 11.3 | 25 | 7.9 | 20 | 25 | 20 | 705 | 3.5 | 3.5 | 20 | 915 | 3.5 | 3.5 | 20 | 1055 | 3.7 | 3.1 | 20 | 1265 | 3.7 | 2.6 | 20 | 1465 | 3.7 | 2.0 |
| 95 | 34.0 | 16.0 | 7.8 | 300 | 11.2 | 24 | 7.8 | 21 | 24 | 21 | 710 | 3.5 | 3.5 | 21 | 920 | 3.5 | 3.5 | 21 | 1055 | 3.7 | 3.1 | 21 | 1265 | 3.7 | 2.6 | 21 | 1465 | 3.7 | 2.0 |
| 100 | 33.8 | 16.1 | 7.7 | 305 | 11.2 | 23 | 7.7 | 22 | 23 | 22 | 715 | 3.5 | 3.5 | 22 | 925 | 3.5 | 3.5 | 22 | 1055 | 3.7 | 3.1 | 22 | 1265 | 3.7 | 2.6 | 22 | 1465 | 3.7 | 2.0 |
| 105 | 33.6 | 16.2 | 7.6 | 310 | 11.1 | 22 | 7.6 | 23 | 22 | 23 | 720 | 3.5 | 3.5 | 23 | 930 | 3.5 | 3.5 | 23 | 1055 | 3.7 | 3.1 | 23 | 1265 | 3.7 | 2.6 | 23 | 1465 | 3.7 | 2.0 |
| 110 | 33.3 | 16.4 | 7.5 | 315 | 11.1 | 21 | 7.5 | 24 | 21 | 24 | 725 | 3.4 | 3.4 | 24 | 935 | 3.4 | 3.4 | 24 | 1055 | 3.7 | 3.1 | 24 | 1265 | 3.7 | 2.6 | 24 | 1465 | 3.7 | 2.0 |
| 115 | 33.4 | 16.4 | 7.4 | 320 | 11.0 | 20 | 7.4 | 25 | 20 | 25 | 730 | 3.4 | 3.4 | 25 | 940 | 3.4 | 3.4 | 25 | 1055 | 3.7 | 3.1 | 25 | 1265 | 3.7 | 2.6 | 25 | 1465 | 3.7 | 2.0 |
| 120 | 33.3 | 16.5 | 7.3 | 325 | 10.9 | 19 | 7.3 | 26 | 19 | 26 | 735 | 3.4 | 3.4 | 26 | 945 | 3.4 | 3.4 | 26 | 1055 | 3.7 | 3.1 | 26 | 1265 | 3.7 | 2.6 | 26 | 1465 | 3.7 | 2.0 |
| 125 | 33.1 | 16.7 | 7.2 | 330 | 10.9 | 18 | 7.2 | 27 | 18 | 27 | 740 | 3.4 | 3.4 | 27 | 950 | 3.4 | 3.4 | 27 | 1055 | 3.7 | 3.1 | 27 | 1265 | 3.7 | 2.6 | 27 | 1465 | 3.7 | 2.0 |
| 130 | 33.1 | 16.7 | 7.2 | 335 | 10.9 | 17 | 7.2 | 28 | 17 | 28 | 745 | 3.4 | 3.4 | 28 | 955 | 3.4 | 3.4 | 28 | 1055 | 3.7 | 3.1 | 28 | 1265 | 3.7 | 2.6 | 28 | 1465 | 3.7 | 2.0 |
| 135 | 33.0 | 16.8 | 7.1 | 340 | 10.8 | 16 | 7.1 | 29 | 16 | 29 | 750 | 3.4 | 3.4 | 29 | 960 | 3.4 | 3.4 | 29 | 1055 | 3.7 | 3.1 | 29 | 1265 | 3.7 | 2.6 | 29 | 1465 | 3.7 | 2.0 |
| 140 | 33.0 | 16.8 | 7.1 | 345 | 10.7 | 15 | 7.1 | 30 | 15 | 30 | 755 | 3.4 | 3.4 | 30 | 965 | 3.4 | 3.4 | 30 | 1055 | 3.7 | 3.1 | 30 | 1265 | 3.7 | 2.6 | 30 | 1465 | 3.7 | 2.0 |
| 145 | 33.0 | 16.8 | 7.1 | 350 | 10.5 | 14 | 7.1 | 31 | 14 | 31 | 760 | 3.3 | 3.3 | 31 | 970 | 3.3 | 3.3 | 31 | 1055 | 3.7 | 3.1 | 31 | 1265 | 3.7 | 2.6 | 31 | 1465 | 3.7 | 2.0 |
| 150 | 33.0 | 16.8 | 7.1 | 355 | 10.5 | 13 | 7.1 | 32 | 13 | 32 | 765 | 3.3 | 3.3 | 32 | 975 | 3.3 | 3.3 | 32 | 1055 | 3.7 | 3.1 | 32 | 1265 | 3.7 | 2.6 | 32 | 1465 | 3.7 | 2.0 |
| 155 | 33.0 | 16.8 | 7.1 | 360 | 10.4 | 12 | 7.1 | 33 | 12 | 33 | 770 | 3.3 | 3.3 | 33 | 980 | 3.3 | 3.3 | 33 | 1055 | 3.7 | 3.1 | 33 | 1265 | 3.7 | 2.6 | 33 | 1465 | 3.7 | 2.0 |
| 160 | 33.0 | 16.8 | 7.1 | 365 | 10.4 | 11 | 7.1 | 34 | 11 | 34 | 775 | 3.3 | 3.3 | 34 | 985 | 3.3 | 3.3 | 34 | 1055 | 3.7 | 3.1 | 34 | 1265 | 3.7 | 2.6 | 34 | 1465 | 3.7 | 2.0 |
| 165 | 33.0 | 16.8 | 7.1 | 370 | 10.2 | 10 | 7.1 | 35 | 10 | 35 | 780 | 3.3 | 3.3 | 35 | 990 | 3.3 | 3.3 | 35 | 1055 | 3.7 | 3.1 | 35 | 1265 | 3.7 | 2.6 | 35 | 1465 | 3.7 | 2.0 |
| 170 | 33.0 | 16.8 | 7.1 | 375 | 10.1 | 9 | 7.1 | 36 | 9 | 36 | 785 | 3.3 | 3.3 | 36 | 995 | 3.3 | 3.3 | 36 | 1055 | 3.7 | 3.1 | 36 | 1265 | 3.7 | 2.6 | 36 | 1465 | 3.7 | 2.0 |
| 175 | 33.0 | 16.8 | 7.1 | 380 | 10.1 | 8 | 7.1 | 37 | 8 | 37 | 790 | 3.3 | 3.3 | 37 | 1000 | 3.3 | 3.3 | 37 | 1055 | 3.7 | 3.1 | 37 | 1265 | 3.7 | 2.6 | 37 | 1465 | 3.7 | 2.0 |
| 180 | 33.0 | 16.8 | 7.1 | 385 | 10.0 | 7 | 7.1 | 38 | 7 | 38 | 795 | 3.3 | 3.3 | 38 | 1005 | 3.3 | 3.3 | 38 | 1055 | 3.7 | 3.1 | 38 | 1265 | 3.7 | 2.6 | 38 | 1465 | 3.7 | 2.0 |
| 185 | 33.0 | 16.8 | 7.1 | 390 | 9.9 | 6 | 7.1 | 39 | 6 | 39 | 800 | 3.3 | 3.3 | 39 | 1010 | 3.3 | 3.3 | 39 | 1055 | 3.7 | 3.1 | 39 | 1265 | 3.7 | 2.6 | 39 | 1465 | 3.7 | 2.0 |
| 190 | 33.0 | 16.8 | 7.1 | 395 | 9.8 | 5 | 7.1 | 40 | 5 | 40 | 805 | 3.3 | 3.3 | 40 | 1015 | 3.3 | 3.3 | 40 | 1055 | 3.7 | 3.1 | 40 | 1265 | 3.7 | 2.6 | 40 | 1465 | 3.7 | 2.0 |
| 195 | 33.0 | 16.8 | 7.1 | 400 | 9.7 | 4 | 7.1 | 41 | 4 | 41 | 810 | 3.3 | 3.3 | 41 | 1020 | 3.3 | 3.3 | 41 | 1055 | 3.7 | 3.1 | 41 | 1265 | 3.7 | 2.6 | 41 | 1465 | 3.7 | 2.0 |
| 200 | 33.0 | 16.8 | 7.1 | 405 | 9.6 | 3 | 7.1 | 42 | 3 | 42 | 815 | 3.3 | 3.3 | 42 | 1025 | 3.3 | 3.3 | 42 | 1055 | 3.7 | 3.1 | 42 | 1265 | 3.7 | 2.6 | 42 | 1465 | 3.7 | 2.0 |

XBT LAY TIME TYPE
44 250 36 0 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|------|---|-----|------|---|-----|------|---|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| Z | 0 | 26.2 | T | 04 | 14.6 | T | 18 | 12.4 | T | 10 | 33 | 11.0 | T | 9 | 9.6 | T | 9 | 7.9 | T | 506 | 6.2 | Z | 521 | 5.9 | T | 5 | 4.7 | Z | 675 | 2.7 |
| | 5 | 26.2 | | 04 | 14.3 | | 172 | 12.4 | | 258 | 11.0 | | 338 | 9.6 | | 422 | 7.8 | | 511 | 6.1 | | 556 | 6.0 | | 44 | 4.4 | | 680 | 2.6 | |
| | 9 | 26.1 | | 04 | 14.1 | | 178 | 12.3 | | 263 | 10.8 | | 342 | 9.5 | | 431 | 7.7 | | 516 | 6.0 | | 600 | 5.9 | | 44 | 4.4 | | 685 | 2.6 | |
| | 14 | 26.1 | | 08 | 14.0 | | 182 | 12.0 | | 272 | 10.7 | | 352 | 9.4 | | 436 | 7.6 | | 520 | 5.9 | | 605 | 5.8 | | 43 | 4.3 | | 689 | 2.5 | |
| | 19 | 26.0 | | 103 | 13.9 | | 188 | 11.9 | | 277 | 10.6 | | 361 | 9.2 | | 445 | 7.4 | | 530 | 5.7 | | 614 | 5.7 | | 43 | 4.3 | | 694 | 2.5 | |
| | 23 | 26.0 | | 108 | 13.8 | | 192 | 11.8 | | 281 | 10.5 | | 366 | 9.1 | | 450 | 7.3 | | 535 | 5.6 | | 619 | 5.6 | | 43 | 4.3 | | 699 | 2.5 | |
| | 28 | 25.7 | | 117 | 13.5 | | 197 | 11.7 | | 286 | 10.4 | | 370 | 9.0 | | 455 | 7.2 | | 539 | 5.5 | | 624 | 5.5 | | 42 | 4.2 | | 703 | 2.4 | |
| | 33 | 25.7 | | 122 | 13.4 | | 202 | 11.6 | | 291 | 10.3 | | 375 | 8.9 | | 460 | 7.1 | | 544 | 5.4 | | 629 | 5.4 | | 42 | 4.2 | | 708 | 2.4 | |
| | 38 | 25.4 | | 127 | 13.3 | | 208 | 11.5 | | 295 | 10.2 | | 380 | 8.8 | | 464 | 7.0 | | 549 | 5.3 | | 634 | 5.3 | | 41 | 4.1 | | 713 | 2.3 | |
| | 42 | 25.2 | | 131 | 13.1 | | 213 | 11.4 | | 300 | 10.1 | | 385 | 8.7 | | 469 | 6.9 | | 553 | 5.2 | | 639 | 5.2 | | 41 | 4.1 | | 718 | 2.3 | |
| | 47 | 25.1 | | 136 | 13.0 | | 218 | 11.3 | | 305 | 10.0 | | 389 | 8.6 | | 474 | 6.8 | | 558 | 5.1 | | 644 | 5.1 | | 40 | 4.0 | | | | |
| | 52 | 24.7 | | 141 | 12.9 | | 223 | 11.2 | | 309 | 9.9 | | 394 | 8.5 | | 478 | 6.7 | | 563 | 5.0 | | 649 | 5.0 | | 39 | 3.9 | | | | |
| | 56 | 24.4 | | 145 | 12.8 | | 228 | 11.1 | | 314 | 9.8 | | 399 | 8.4 | | 483 | 6.6 | | 567 | 4.9 | | 654 | 4.9 | | 39 | 3.9 | | | | |
| | 61 | 24.0 | | 150 | 12.6 | | 233 | 11.0 | | 319 | 9.7 | | 403 | 8.3 | | 488 | 6.5 | | 572 | 4.8 | | 659 | 4.8 | | 38 | 3.8 | | | | |
| | 66 | 23.9 | | 155 | 12.7 | | 238 | 11.2 | | 324 | 9.6 | | 408 | 8.2 | | 492 | 6.4 | | 577 | 4.7 | | 664 | 4.7 | | 38 | 3.8 | | | | |
| | 70 | 23.4 | | 159 | 12.6 | | 244 | 11.1 | | 328 | 9.5 | | 413 | 8.1 | | 497 | 6.3 | | 581 | 4.7 | | 669 | 4.6 | | 38 | 3.8 | | | | |
| | 75 | 23.0 | | 164 | 12.5 | | 249 | 11.0 | | 333 | 9.4 | | 417 | 8.0 | | 502 | 6.2 | | 586 | 4.6 | | 674 | 4.6 | | 38 | 3.8 | | | | |
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NET LAY TIME TYPE
45 250 22 0 5

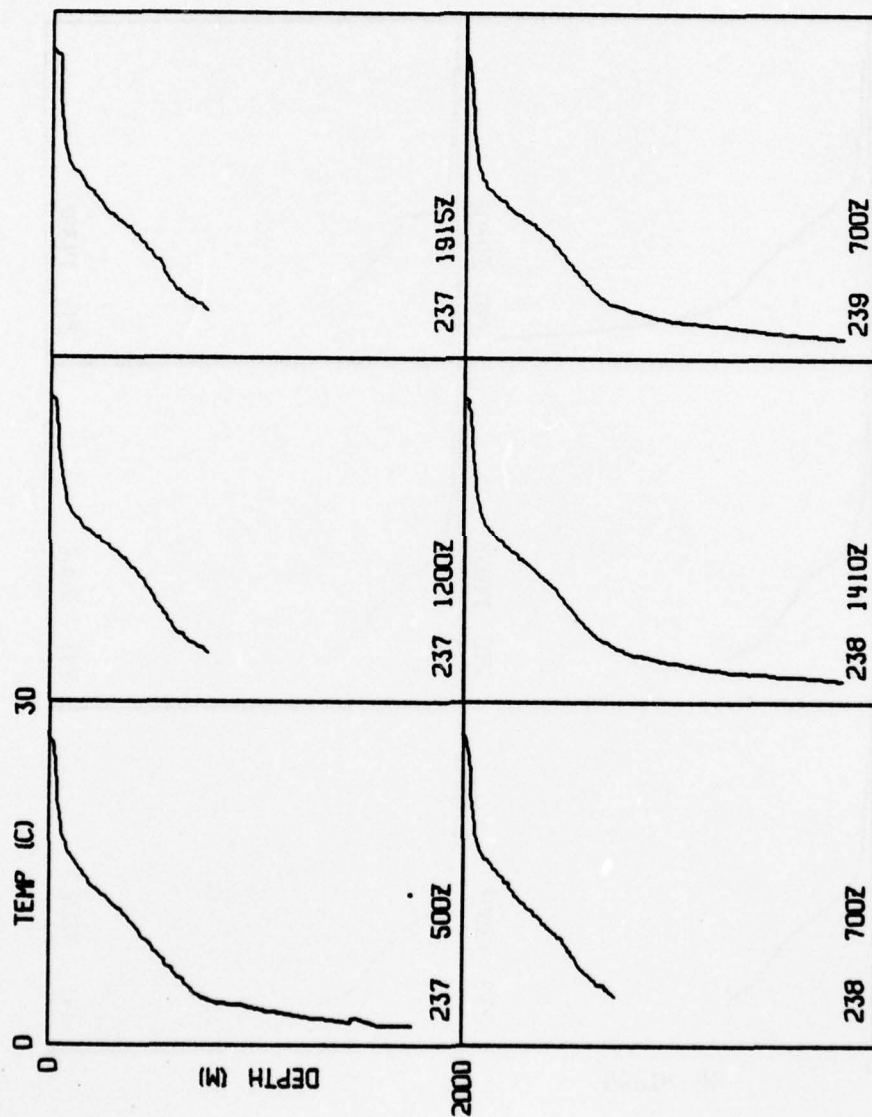
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|-----|------|------|------|------|------|------|-----|-----|-----|------|-----|------|------|-----|-----|------|------|-----|
| 2 | 0 | 26.4 | 190 | 12.5 | 280 | 10.4 | 370 | 6.9 | 760 | 4.2 | 950 | 2.6 | 1105 | 2.0 | 225 | 2.7 | 1520 | 2.5 |
| 5 | 26.2 | 195 | 12.4 | 385 | 10.4 | 385 | 6.8 | 765 | 4.2 | 955 | 2.6 | 1150 | 2.0 | 225 | 2.7 | 1525 | 2.5 | |
| 10 | 26.2 | 200 | 12.4 | 390 | 10.3 | 390 | 6.8 | 770 | 4.1 | 960 | 2.6 | 1155 | 2.0 | 225 | 2.7 | 1530 | 2.5 | |
| 15 | 26.1 | 205 | 12.4 | 405 | 10.2 | 405 | 6.7 | 780 | 4.1 | 970 | 2.5 | 1160 | 2.0 | 225 | 2.7 | 1540 | 2.5 | |
| 20 | 25.9 | 210 | 12.3 | 405 | 10.1 | 405 | 6.5 | 785 | 4.1 | 975 | 2.5 | 1165 | 2.0 | 225 | 2.7 | 1545 | 2.5 | |
| 25 | 25.9 | 215 | 12.3 | 410 | 10.0 | 410 | 6.3 | 790 | 4.1 | 980 | 2.5 | 1170 | 2.0 | 225 | 2.7 | 1550 | 2.5 | |
| 30 | 25.8 | 220 | 12.3 | 420 | 9.9 | 420 | 6.2 | 795 | 4.1 | 985 | 2.5 | 1175 | 2.0 | 225 | 2.7 | 1555 | 2.5 | |
| 35 | 24.1 | 225 | 12.2 | 425 | 9.8 | 425 | 6.1 | 800 | 4.1 | 990 | 2.5 | 1180 | 2.0 | 225 | 2.7 | 1560 | 2.5 | |
| 40 | 22.4 | 230 | 12.2 | 430 | 9.8 | 430 | 6.0 | 805 | 4.0 | 995 | 2.5 | 1185 | 2.0 | 225 | 2.7 | 1565 | 2.5 | |
| 45 | 20.9 | 235 | 12.1 | 435 | 9.8 | 435 | 5.9 | 810 | 4.0 | 1000 | 2.5 | 1190 | 2.0 | 225 | 2.7 | 1570 | 2.5 | |
| 50 | 20.3 | 240 | 12.1 | 440 | 9.7 | 438 | 5.8 | 815 | 4.0 | 1005 | 2.5 | 1195 | 2.0 | 225 | 2.7 | 1575 | 2.5 | |
| 55 | 20.3 | 245 | 12.0 | 445 | 9.6 | 440 | 5.6 | 820 | 4.0 | 1010 | 2.5 | 1200 | 2.0 | 225 | 2.7 | 1580 | 2.5 | |
| 60 | 18.4 | 250 | 11.9 | 448 | 9.6 | 448 | 5.6 | 825 | 4.0 | 1015 | 2.5 | 1205 | 2.0 | 225 | 2.7 | 1585 | 2.5 | |
| 65 | 17.5 | 255 | 11.9 | 450 | 9.5 | 450 | 5.5 | 830 | 4.0 | 1020 | 2.5 | 1210 | 2.0 | 225 | 2.7 | 1590 | 2.5 | |
| 70 | 16.5 | 260 | 11.8 | 455 | 9.5 | 455 | 5.4 | 835 | 3.9 | 1025 | 2.5 | 1215 | 2.0 | 225 | 2.7 | 1595 | 2.5 | |
| 75 | 16.1 | 265 | 11.7 | 460 | 9.4 | 460 | 5.3 | 840 | 3.9 | 1030 | 2.5 | 1220 | 2.0 | 225 | 2.7 | 1600 | 2.5 | |
| 80 | 15.8 | 270 | 11.7 | 465 | 9.3 | 465 | 5.2 | 845 | 3.9 | 1035 | 2.5 | 1225 | 2.0 | 225 | 2.7 | 1605 | 2.5 | |
| 85 | 15.4 | 275 | 11.7 | 470 | 9.2 | 470 | 5.2 | 850 | 3.9 | 1040 | 2.5 | 1230 | 2.0 | 225 | 2.7 | 1610 | 2.5 | |
| 90 | 15.1 | 280 | 11.6 | 475 | 9.1 | 475 | 5.1 | 855 | 3.9 | 1045 | 2.5 | 1235 | 2.0 | 225 | 2.7 | 1615 | 2.5 | |
| 95 | 14.7 | 285 | 11.5 | 480 | 9.0 | 480 | 5.1 | 860 | 3.9 | 1050 | 2.5 | 1240 | 2.0 | 225 | 2.7 | 1620 | 2.5 | |
| 100 | 14.5 | 290 | 11.5 | 485 | 8.9 | 485 | 5.0 | 865 | 3.9 | 1055 | 2.5 | 1245 | 2.0 | 225 | 2.7 | 1625 | 2.5 | |
| 105 | 14.2 | 295 | 11.4 | 490 | 8.7 | 490 | 5.0 | 870 | 3.8 | 1060 | 2.5 | 1250 | 2.0 | 225 | 2.7 | 1630 | 2.5 | |
| 110 | 14.0 | 300 | 11.4 | 495 | 8.6 | 495 | 4.9 | 875 | 3.8 | 1065 | 2.5 | 1255 | 2.0 | 225 | 2.7 | 1635 | 2.5 | |
| 115 | 13.9 | 305 | 11.3 | 500 | 8.5 | 500 | 4.9 | 880 | 3.8 | 1070 | 2.5 | 1260 | 2.0 | 225 | 2.7 | 1640 | 2.5 | |
| 120 | 13.7 | 310 | 11.3 | 505 | 8.4 | 505 | 4.8 | 885 | 3.8 | 1075 | 2.5 | 1265 | 2.0 | 225 | 2.7 | 1645 | 2.5 | |
| 125 | 13.5 | 315 | 11.2 | 510 | 8.3 | 510 | 4.8 | 890 | 3.8 | 1080 | 2.5 | 1270 | 2.0 | 225 | 2.7 | 1650 | 2.5 | |
| 130 | 13.4 | 320 | 11.1 | 515 | 8.2 | 515 | 4.7 | 895 | 3.8 | 1085 | 2.5 | 1275 | 2.0 | 225 | 2.7 | 1655 | 2.5 | |
| 135 | 13.4 | 325 | 11.1 | 520 | 8.1 | 520 | 4.7 | 900 | 3.7 | 1090 | 2.5 | 1280 | 2.0 | 225 | 2.7 | 1660 | 2.5 | |
| 140 | 13.3 | 330 | 11.0 | 525 | 7.9 | 525 | 4.6 | 905 | 3.7 | 1095 | 2.5 | 1285 | 2.0 | 225 | 2.7 | 1665 | 2.5 | |
| 145 | 13.2 | 335 | 11.0 | 530 | 7.7 | 530 | 4.5 | 910 | 3.7 | 1100 | 2.5 | 1290 | 2.0 | 225 | 2.7 | 1670 | 2.5 | |
| 150 | 13.1 | 340 | 10.9 | 535 | 7.6 | 535 | 4.4 | 915 | 3.7 | 1105 | 2.5 | 1295 | 2.0 | 225 | 2.7 | 1675 | 2.5 | |
| 155 | 13.0 | 345 | 10.8 | 540 | 7.5 | 540 | 4.4 | 920 | 3.7 | 1110 | 2.5 | 1300 | 2.0 | 225 | 2.7 | 1680 | 2.5 | |
| 160 | 12.9 | 350 | 10.8 | 545 | 7.3 | 545 | 4.3 | 925 | 3.7 | 1115 | 2.5 | 1305 | 2.0 | 225 | 2.7 | 1685 | 2.5 | |
| 165 | 12.8 | 355 | 10.7 | 550 | 7.2 | 550 | 4.3 | 930 | 3.7 | 1120 | 2.5 | 1310 | 2.0 | 225 | 2.7 | 1690 | 2.5 | |
| 170 | 12.8 | 360 | 10.6 | 555 | 7.1 | 555 | 4.2 | 935 | 3.6 | 1125 | 2.5 | 1315 | 2.0 | 225 | 2.7 | 1695 | 2.5 | |
| 175 | 12.7 | 365 | 10.6 | 560 | 7.1 | 560 | 4.2 | 940 | 3.6 | 1130 | 2.5 | 1320 | 2.0 | 225 | 2.7 | 1700 | 2.5 | |
| 180 | 12.6 | 370 | 10.5 | 565 | 7.0 | 565 | 4.1 | 945 | 3.6 | 1135 | 2.5 | 1325 | 2.0 | 225 | 2.7 | 1705 | 2.5 | |

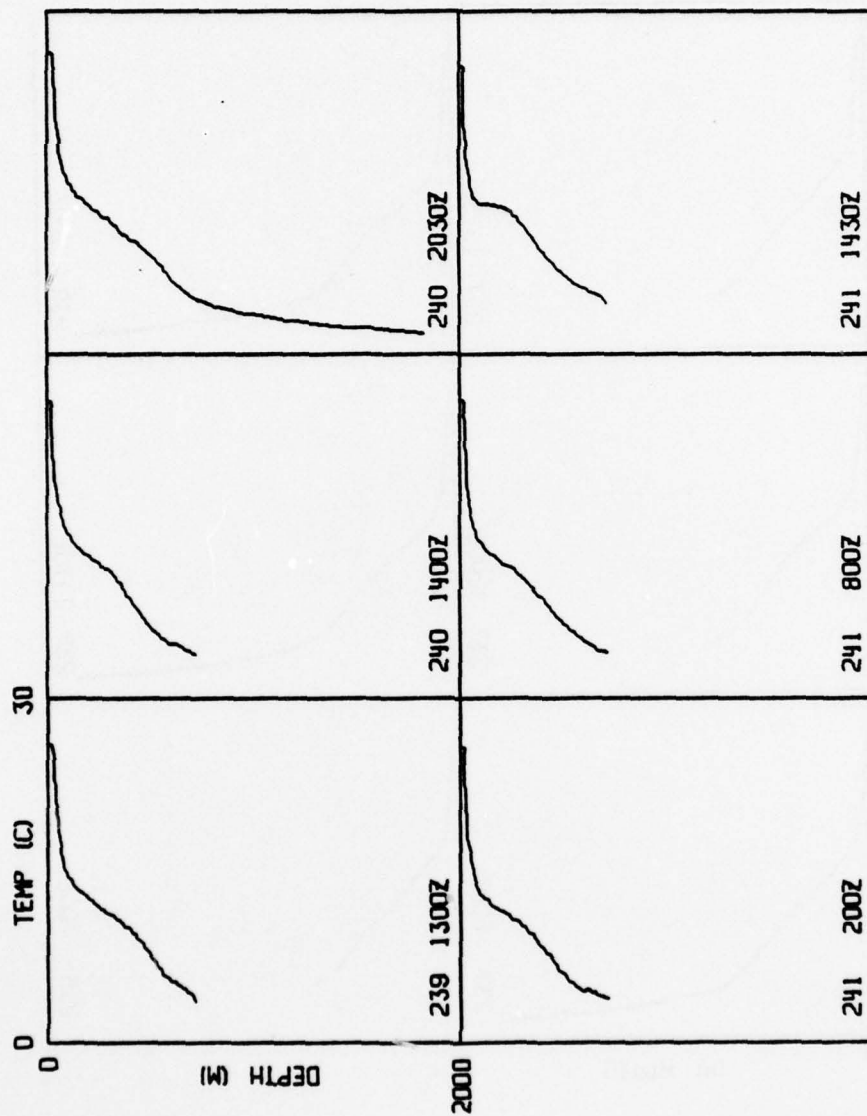
XBT LAY TIME TYPE
46 251 4 0 7

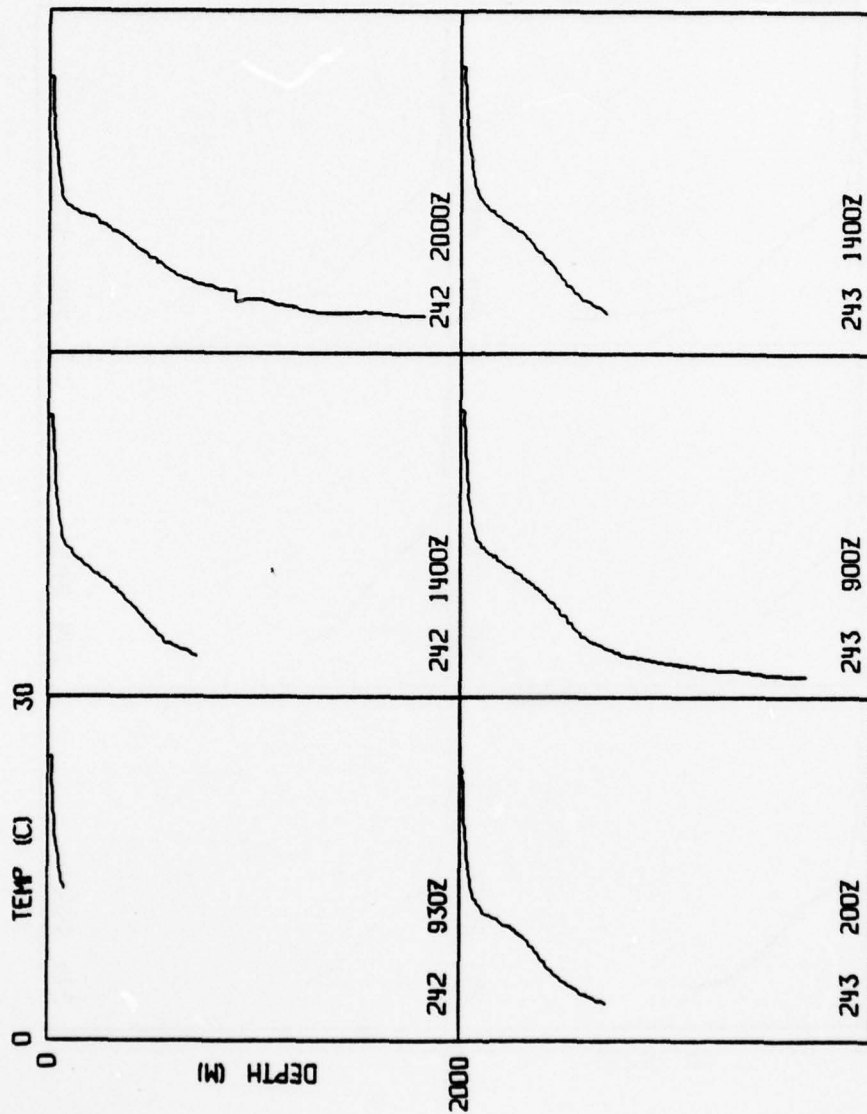
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|---|----|------|---|-----|------|---|-----|------|---|------|---|-----|------|---|------|---|-----|-----|---|-----|---|-----|-----|---|-----|---|-----|-----|---|-----|---|-----|-----|---|-----|
| Z | 0 | 26.7 | T | 84 | 15.7 | Z | 253 | 11.3 | T | 11.3 | Z | 339 | 10.2 | T | 10.2 | Z | 422 | 8.1 | T | 8.1 | Z | 506 | 6.2 | T | 6.2 | Z | 591 | 5.0 | T | 5.0 | Z | 675 | 4.1 | T | 4.1 |
| | 5 | 26.6 | | 89 | 15.4 | | 258 | 11.3 | | 12.4 | | 342 | 10.1 | | 10.1 | | 427 | 8.0 | | 8.0 | | 511 | 6.1 | | 6.1 | | 596 | 5.0 | | 5.0 | | 680 | 4.1 | | 4.1 |
| | 14 | 26.3 | | 94 | 15.1 | | 263 | 11.2 | | 12.3 | | 347 | 10.0 | | 10.0 | | 431 | 7.9 | | 7.9 | | 516 | 6.0 | | 6.0 | | 605 | 4.9 | | 4.9 | | 685 | 4.0 | | 4.0 |
| | 19 | 26.2 | | 98 | 14.8 | | 267 | 11.1 | | 12.2 | | 352 | 9.9 | | 9.9 | | 436 | 7.7 | | 7.7 | | 520 | 5.9 | | 5.9 | | 610 | 4.8 | | 4.8 | | 689 | 3.9 | | 3.9 |
| | 23 | 26.1 | | 103 | 14.5 | | 272 | 11.1 | | 12.1 | | 356 | 9.7 | | 9.7 | | 441 | 7.6 | | 7.6 | | 525 | 5.8 | | 5.8 | | 614 | 4.7 | | 4.7 | | 694 | 3.8 | | 3.8 |
| | 28 | 25.3 | | 108 | 14.2 | | 277 | 11.0 | | 12.0 | | 361 | 9.6 | | 9.6 | | 445 | 7.5 | | 7.5 | | 530 | 5.7 | | 5.7 | | 619 | 4.6 | | 4.6 | | 703 | 3.7 | | 3.7 |
| | 33 | 25.4 | | 113 | 14.0 | | 281 | 11.0 | | 11.9 | | 366 | 9.5 | | 9.5 | | 450 | 7.4 | | 7.4 | | 535 | 5.6 | | 5.6 | | 624 | 4.5 | | 4.5 | | 708 | 3.6 | | 3.6 |
| | 38 | 25.3 | | 117 | 13.8 | | 286 | 11.0 | | 11.8 | | 370 | 9.4 | | 9.4 | | 455 | 7.3 | | 7.3 | | 539 | 5.5 | | 5.5 | | 628 | 4.4 | | 4.4 | | 713 | 3.5 | | 3.5 |
| | 42 | 25.4 | | 122 | 13.6 | | 291 | 11.0 | | 11.7 | | 375 | 9.3 | | 9.3 | | 460 | 7.2 | | 7.2 | | 544 | 5.4 | | 5.4 | | 633 | 4.3 | | 4.3 | | 718 | 3.4 | | 3.4 |
| | 47 | 25.7 | | 127 | 13.5 | | 295 | 10.9 | | 11.6 | | 380 | 9.2 | | 9.2 | | 464 | 7.0 | | 7.0 | | 549 | 5.3 | | 5.3 | | 638 | 4.2 | | 4.2 | | | | | |
| | 52 | 25.0 | | 131 | 13.4 | | 300 | 10.9 | | 11.5 | | 385 | 9.1 | | 9.1 | | 469 | 6.9 | | 6.9 | | 553 | 5.2 | | 5.2 | | 642 | 4.1 | | 4.1 | | | | | |
| | 56 | 25.4 | | 136 | 13.3 | | 305 | 10.8 | | 11.4 | | 389 | 9.0 | | 9.0 | | 474 | 6.7 | | 6.7 | | 558 | 5.1 | | 5.1 | | 647 | 4.0 | | 4.0 | | | | | |
| | 61 | 25.8 | | 141 | 13.2 | | 309 | 10.8 | | 11.3 | | 394 | 8.9 | | 8.9 | | 478 | 6.6 | | 6.6 | | 563 | 5.0 | | 5.0 | | 652 | 3.9 | | 3.9 | | | | | |
| | 66 | 25.2 | | 145 | 13.0 | | 314 | 10.7 | | 11.2 | | 399 | 8.7 | | 8.7 | | 483 | 6.5 | | 6.5 | | 567 | 4.9 | | 4.9 | | 656 | 3.8 | | 3.8 | | | | | |
| | 70 | 25.9 | | 150 | 12.9 | | 319 | 10.6 | | 11.1 | | 403 | 8.6 | | 8.6 | | 488 | 6.4 | | 6.4 | | 572 | 4.8 | | 4.8 | | 661 | 3.7 | | 3.7 | | | | | |
| | 75 | 26.0 | | 155 | 12.8 | | 324 | 10.5 | | 11.0 | | 408 | 8.5 | | 8.5 | | 492 | 6.3 | | 6.3 | | 577 | 4.7 | | 4.7 | | 666 | 3.6 | | 3.6 | | | | | |
| | 80 | 26.1 | | 159 | 12.7 | | 328 | 10.4 | | 10.9 | | 413 | 8.4 | | 8.4 | | 497 | 6.2 | | 6.2 | | 581 | 4.6 | | 4.6 | | 671 | 3.5 | | 3.5 | | | | | |
| | | | | 164 | 12.5 | | 333 | 10.3 | | 10.8 | | 417 | 8.3 | | 8.3 | | 502 | 6.1 | | 6.1 | | 586 | 4.5 | | 4.5 | | | | | | | | | | |

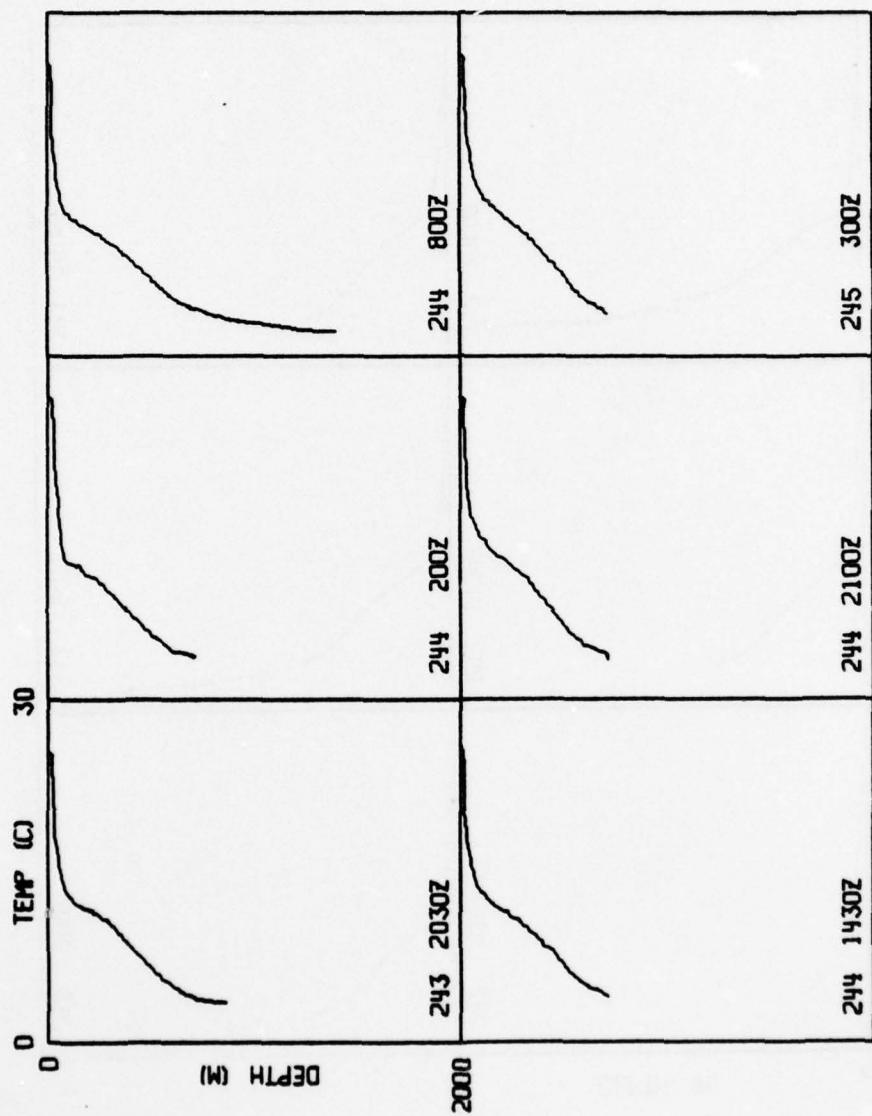
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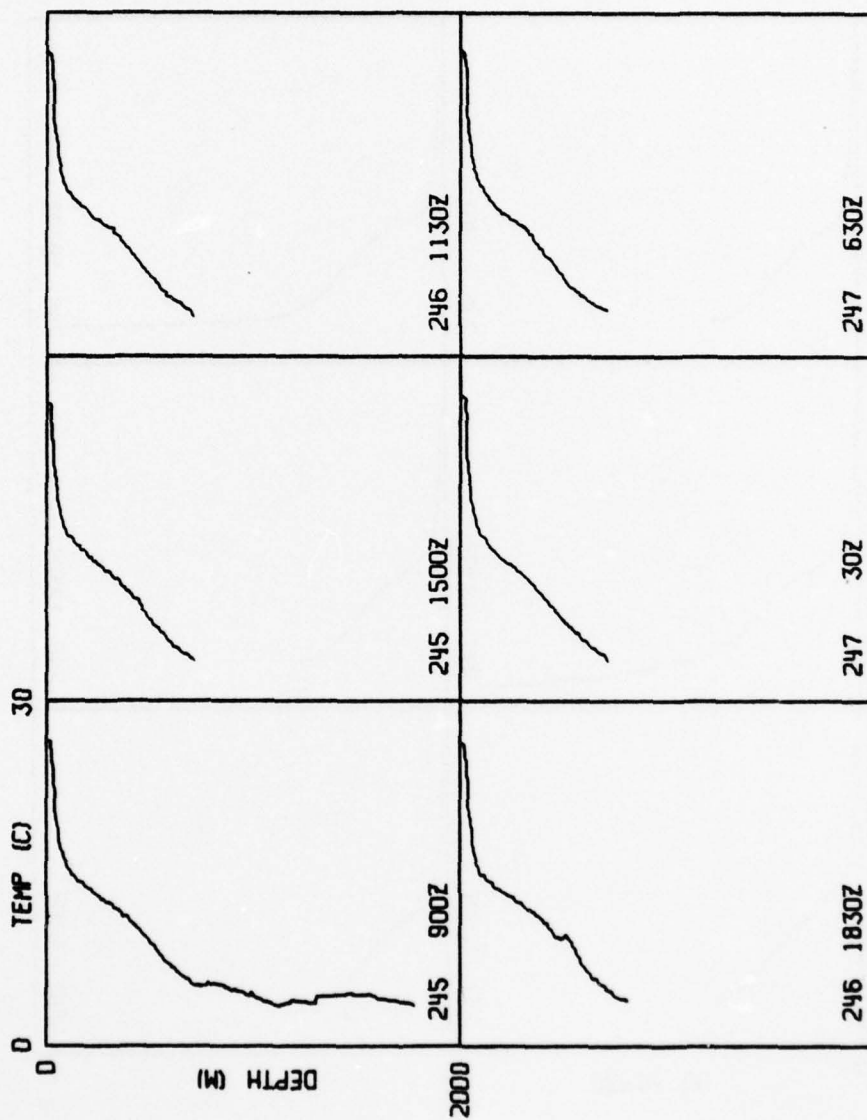
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|-----|------|----|-----|-------|----|----|-----|------|----|-----|----|-----|----|---|----|------|----|-----|----|---|---|------|----|-----|
| 0 | 36.9 | 1 | 198 | 112.9 | 1 | 0 | 390 | 10.0 | 1 | 585 | 1 | 780 | 1 | 9 | 1 | 975 | 1 | 105 | 1 | 2 | 1 | 1560 | 1 | 2.1 |
| 5 | 36.8 | 2 | 199 | 112.9 | 2 | 1 | 398 | 9.8 | 2 | 590 | 2 | 795 | 2 | 9 | 2 | 980 | 2 | 105 | 2 | 2 | 2 | 1565 | 2 | 2.1 |
| 10 | 36.7 | 3 | 200 | 112.9 | 3 | 2 | 400 | 9.7 | 3 | 595 | 3 | 795 | 3 | 9 | 3 | 985 | 3 | 105 | 3 | 2 | 2 | 1570 | 3 | 2.1 |
| 15 | 36.5 | 4 | 201 | 112.9 | 4 | 3 | 405 | 9.6 | 4 | 600 | 4 | 800 | 4 | 9 | 4 | 990 | 4 | 105 | 4 | 2 | 2 | 1575 | 4 | 2.0 |
| 20 | 36.3 | 5 | 202 | 112.9 | 5 | 4 | 410 | 9.5 | 5 | 605 | 5 | 805 | 5 | 9 | 5 | 995 | 5 | 105 | 5 | 2 | 2 | 1580 | 5 | 2.0 |
| 25 | 36.4 | 6 | 203 | 112.9 | 6 | 5 | 415 | 9.3 | 6 | 610 | 6 | 810 | 6 | 9 | 6 | 1000 | 6 | 105 | 6 | 2 | 2 | 1585 | 6 | 2.0 |
| 30 | 36.3 | 7 | 204 | 112.9 | 7 | 6 | 420 | 9.2 | 7 | 615 | 7 | 815 | 7 | 9 | 7 | 1005 | 7 | 105 | 7 | 2 | 2 | 1590 | 7 | 2.0 |
| 35 | 35.9 | 8 | 205 | 112.9 | 8 | 7 | 425 | 9.1 | 8 | 620 | 8 | 820 | 8 | 9 | 8 | 1010 | 8 | 105 | 8 | 2 | 2 | 1595 | 8 | 2.0 |
| 40 | 35.6 | 9 | 206 | 112.9 | 9 | 8 | 430 | 9.0 | 9 | 625 | 9 | 825 | 9 | 9 | 9 | 1015 | 9 | 105 | 9 | 2 | 2 | 1600 | 9 | 2.0 |
| 45 | 35.2 | 10 | 207 | 112.9 | 10 | 9 | 435 | 8.9 | 10 | 630 | 10 | 830 | 10 | 9 | 10 | 1020 | 10 | 105 | 10 | 2 | 2 | 1605 | 10 | 2.0 |
| 50 | 35.2 | 11 | 208 | 112.9 | 11 | 10 | 440 | 8.9 | 11 | 635 | 11 | 835 | 11 | 9 | 11 | 1025 | 11 | 105 | 11 | 2 | 2 | 1610 | 11 | 2.0 |
| 55 | 35.6 | 12 | 209 | 112.9 | 12 | 11 | 445 | 8.8 | 12 | 640 | 12 | 840 | 12 | 9 | 12 | 1030 | 12 | 105 | 12 | 2 | 2 | 1615 | 12 | 2.0 |
| 60 | 35.0 | 13 | 210 | 112.9 | 13 | 12 | 450 | 8.7 | 13 | 645 | 13 | 845 | 13 | 9 | 13 | 1035 | 13 | 105 | 13 | 2 | 2 | 1620 | 13 | 2.0 |
| 65 | 34.9 | 14 | 211 | 112.9 | 14 | 13 | 455 | 8.6 | 14 | 650 | 14 | 850 | 14 | 9 | 14 | 1040 | 14 | 105 | 14 | 2 | 2 | 1625 | 14 | 2.0 |
| 70 | 34.9 | 15 | 212 | 112.9 | 15 | 14 | 460 | 8.6 | 15 | 655 | 15 | 855 | 15 | 9 | 15 | 1045 | 15 | 105 | 15 | 2 | 2 | 1630 | 15 | 2.0 |
| 75 | 34.9 | 16 | 213 | 112.9 | 16 | 15 | 465 | 8.6 | 16 | 660 | 16 | 860 | 16 | 9 | 16 | 1050 | 16 | 105 | 16 | 2 | 2 | 1635 | 16 | 2.0 |
| 80 | 34.2 | 17 | 214 | 112.9 | 17 | 16 | 470 | 8.5 | 17 | 665 | 17 | 865 | 17 | 9 | 17 | 1055 | 17 | 105 | 17 | 2 | 2 | 1640 | 17 | 1.9 |
| 85 | 34.1 | 18 | 215 | 112.9 | 18 | 17 | 475 | 8.4 | 18 | 670 | 18 | 870 | 18 | 9 | 18 | 1060 | 18 | 105 | 18 | 2 | 2 | 1645 | 18 | 1.9 |
| 90 | 34.1 | 19 | 216 | 112.9 | 19 | 18 | 480 | 8.3 | 19 | 675 | 19 | 875 | 19 | 9 | 19 | 1065 | 19 | 105 | 19 | 2 | 2 | 1650 | 19 | 1.9 |
| 95 | 34.6 | 20 | 217 | 112.9 | 20 | 19 | 485 | 8.2 | 20 | 680 | 20 | 880 | 20 | 9 | 20 | 1070 | 20 | 105 | 20 | 2 | 2 | 1655 | 20 | 1.9 |
| 100 | 34.9 | 21 | 218 | 112.9 | 21 | 20 | 490 | 8.1 | 21 | 685 | 21 | 885 | 21 | 9 | 21 | 1075 | 21 | 105 | 21 | 2 | 2 | 1660 | 21 | 1.9 |
| 105 | 34.9 | 22 | 219 | 112.9 | 22 | 21 | 495 | 8.0 | 22 | 690 | 22 | 890 | 22 | 9 | 22 | 1080 | 22 | 105 | 22 | 2 | 2 | 1665 | 22 | 1.9 |
| 110 | 34.9 | 23 | 220 | 112.9 | 23 | 22 | 500 | 7.9 | 23 | 695 | 23 | 895 | 23 | 9 | 23 | 1085 | 23 | 105 | 23 | 2 | 2 | 1670 | 23 | 1.9 |
| 115 | 34.7 | 24 | 221 | 112.9 | 24 | 23 | 505 | 7.8 | 24 | 700 | 24 | 900 | 24 | 9 | 24 | 1090 | 24 | 105 | 24 | 2 | 2 | 1675 | 24 | 1.9 |
| 120 | 34.2 | 25 | 222 | 112.9 | 25 | 24 | 510 | 7.7 | 25 | 705 | 25 | 905 | 25 | 9 | 25 | 1095 | 25 | 105 | 25 | 2 | 2 | 1680 | 25 | 1.9 |
| 125 | 34.2 | 26 | 223 | 112.9 | 26 | 25 | 515 | 7.6 | 26 | 710 | 26 | 910 | 26 | 9 | 26 | 1100 | 26 | 105 | 26 | 2 | 2 | 1685 | 26 | 1.9 |
| 130 | 34.1 | 27 | 224 | 112.9 | 27 | 26 | 520 | 7.5 | 27 | 715 | 27 | 915 | 27 | 9 | 27 | 1105 | 27 | 105 | 27 | 2 | 2 | 1690 | 27 | 1.9 |
| 135 | 34.0 | 28 | 225 | 112.9 | 28 | 27 | 525 | 7.4 | 28 | 720 | 28 | 920 | 28 | 9 | 28 | 1110 | 28 | 105 | 28 | 2 | 2 | 1695 | 28 | 1.9 |
| 140 | 33.6 | 29 | 226 | 112.9 | 29 | 28 | 530 | 7.3 | 29 | 725 | 29 | 925 | 29 | 9 | 29 | 1115 | 29 | 105 | 29 | 2 | 2 | 1700 | 29 | 1.9 |
| 145 | 33.6 | 30 | 227 | 112.9 | 30 | 29 | 535 | 7.2 | 30 | 730 | 30 | 930 | 30 | 9 | 30 | 1120 | 30 | 105 | 30 | 2 | 2 | 1705 | 30 | 1.8 |
| 150 | 33.3 | 31 | 228 | 112.9 | 31 | 30 | 540 | 7.0 | 31 | 735 | 31 | 935 | 31 | 9 | 31 | 1125 | 31 | 105 | 31 | 2 | 2 | 1710 | 31 | 1.8 |
| 155 | 33.3 | 32 | 229 | 112.9 | 32 | 31 | 545 | 6.9 | 32 | 740 | 32 | 940 | 32 | 9 | 32 | 1130 | 32 | 105 | 32 | 2 | 2 | 1715 | 32 | 1.8 |
| 160 | 34.9 | 33 | 230 | 112.9 | 33 | 32 | 550 | 6.7 | 33 | 745 | 33 | 945 | 33 | 9 | 33 | 1135 | 33 | 105 | 33 | 2 | 2 | 1720 | 33 | 1.8 |
| 165 | 34.9 | 34 | 231 | 112.9 | 34 | 33 | 555 | 6.6 | 34 | 750 | 34 | 950 | 34 | 9 | 34 | 1140 | 34 | 105 | 34 | 2 | 2 | 1725 | 34 | 1.8 |
| 170 | 34.7 | 35 | 232 | 112.9 | 35 | 34 | 560 | 6.4 | 35 | 755 | 35 | 955 | 35 | 9 | 35 | 1145 | 35 | 105 | 35 | 2 | 2 | 1730 | 35 | 1.8 |
| 175 | 34.4 | 36 | 233 | 112.9 | 36 | 35 | 565 | 6.2 | 36 | 760 | 36 | 960 | 36 | 9 | 36 | 1150 | 36 | 105 | 36 | 2 | 2 | 1734 | 36 | 1.8 |
| 180 | 34.3 | 37 | 234 | 112.9 | 37 | 36 | 570 | 6.1 | 37 | 765 | 37 | 965 | 37 | 9 | 37 | 1155 | 37 | 105 | 37 | 2 | 2 | 1738 | 37 | 1.8 |
| 185 | 34.3 | 38 | 235 | 112.9 | 38 | 37 | 575 | 5.9 | 38 | 770 | 38 | 970 | 38 | 9 | 38 | 1160 | 38 | 105 | 38 | 2 | 2 | 1742 | 38 | 1.8 |
| 190 | 34.1 | 39 | 236 | 112.9 | 39 | 38 | 580 | 5.8 | 39 | 775 | 39 | 975 | 39 | 9 | 39 | 1165 | 39 | 105 | 39 | 2 | 2 | 1746 | 39 | 1.8 |

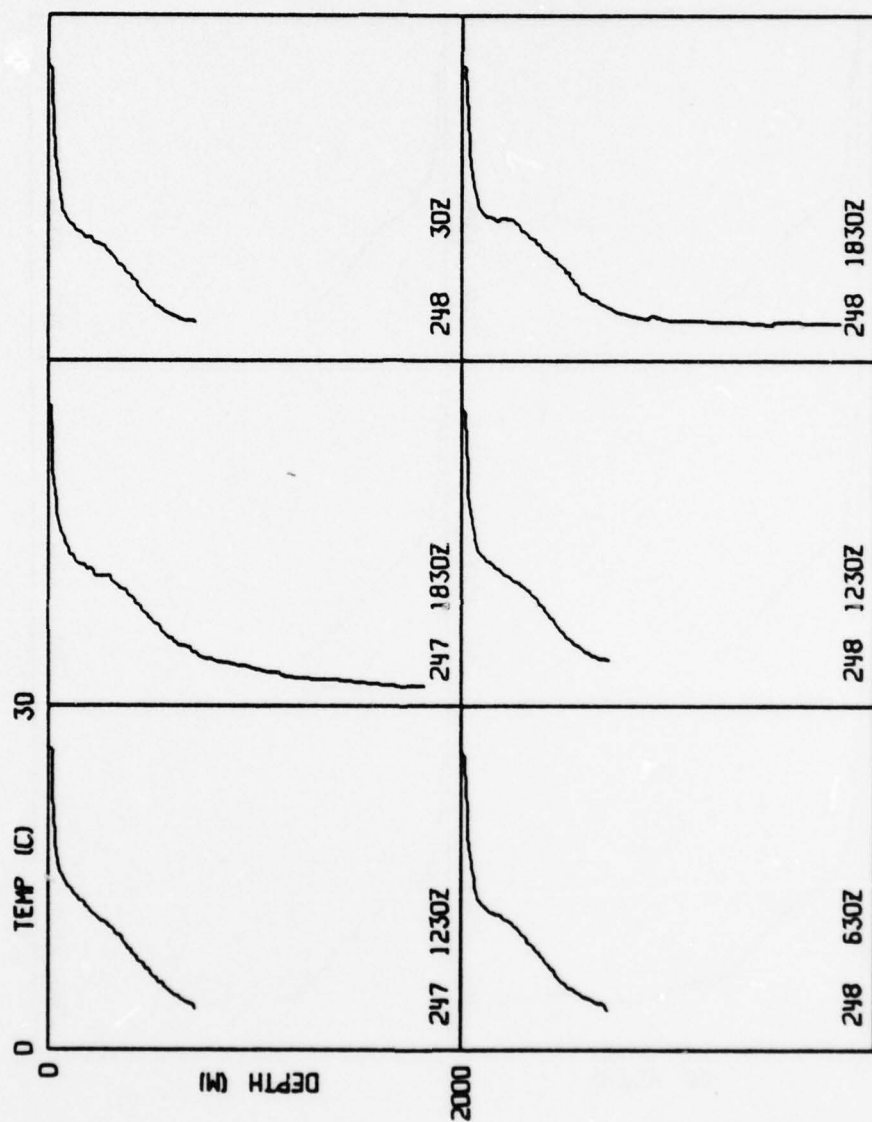












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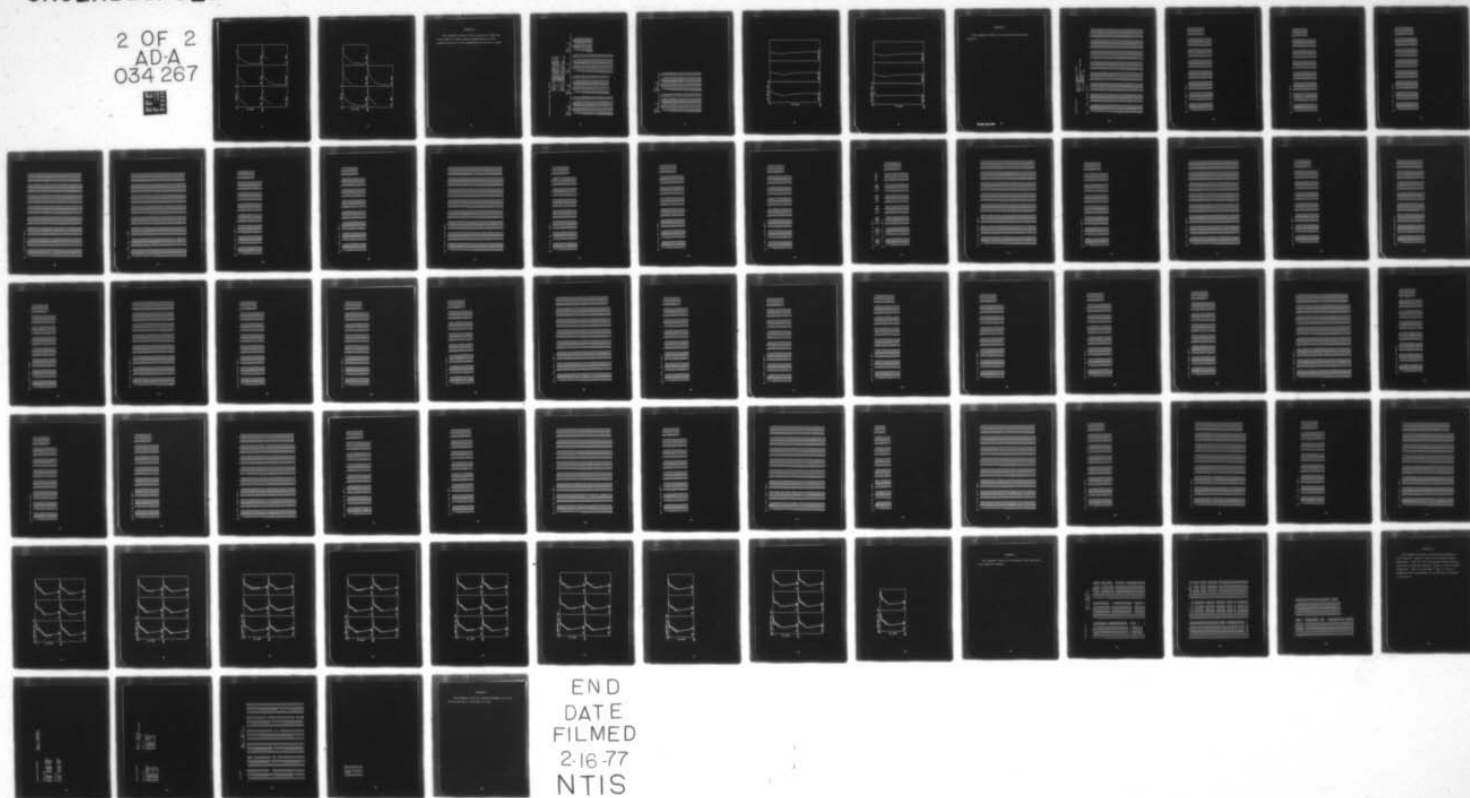
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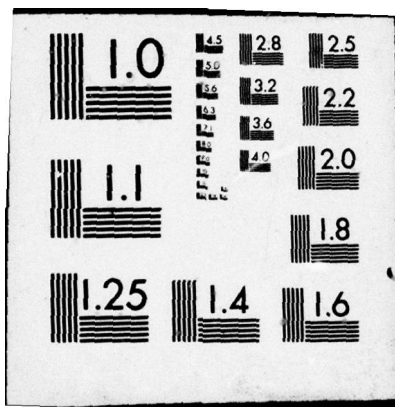
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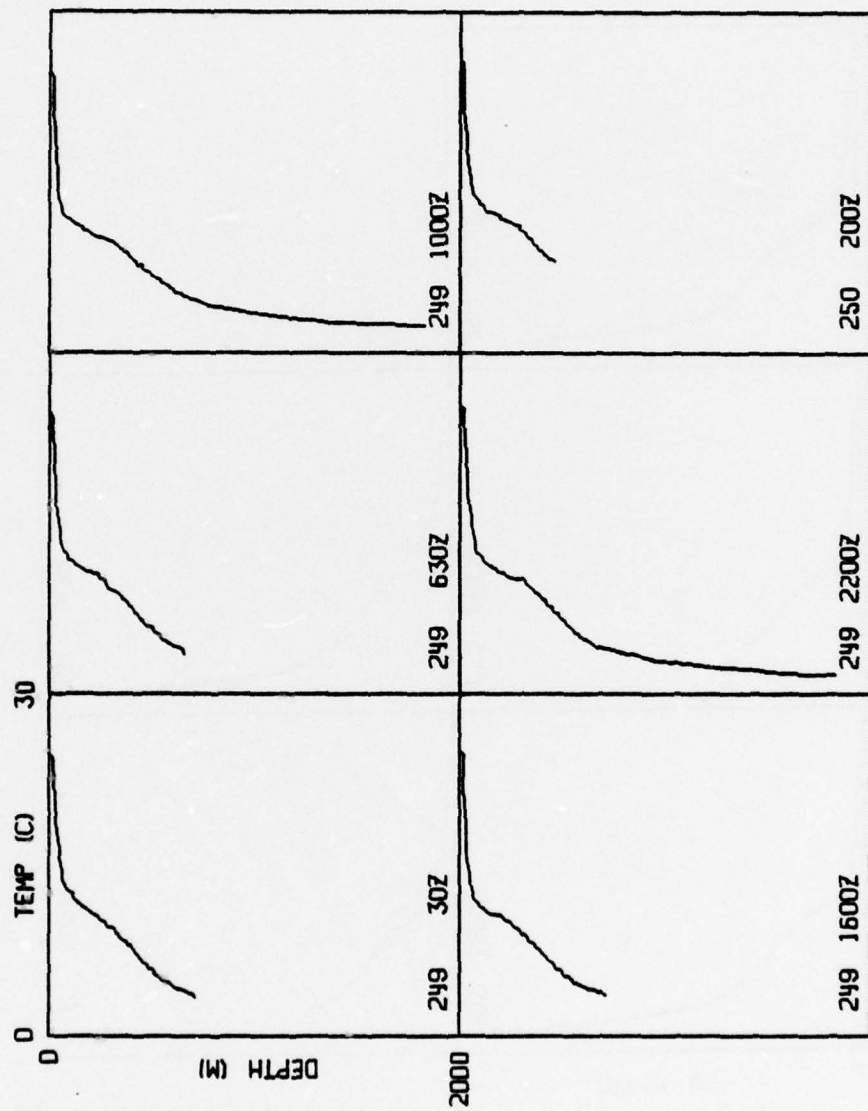
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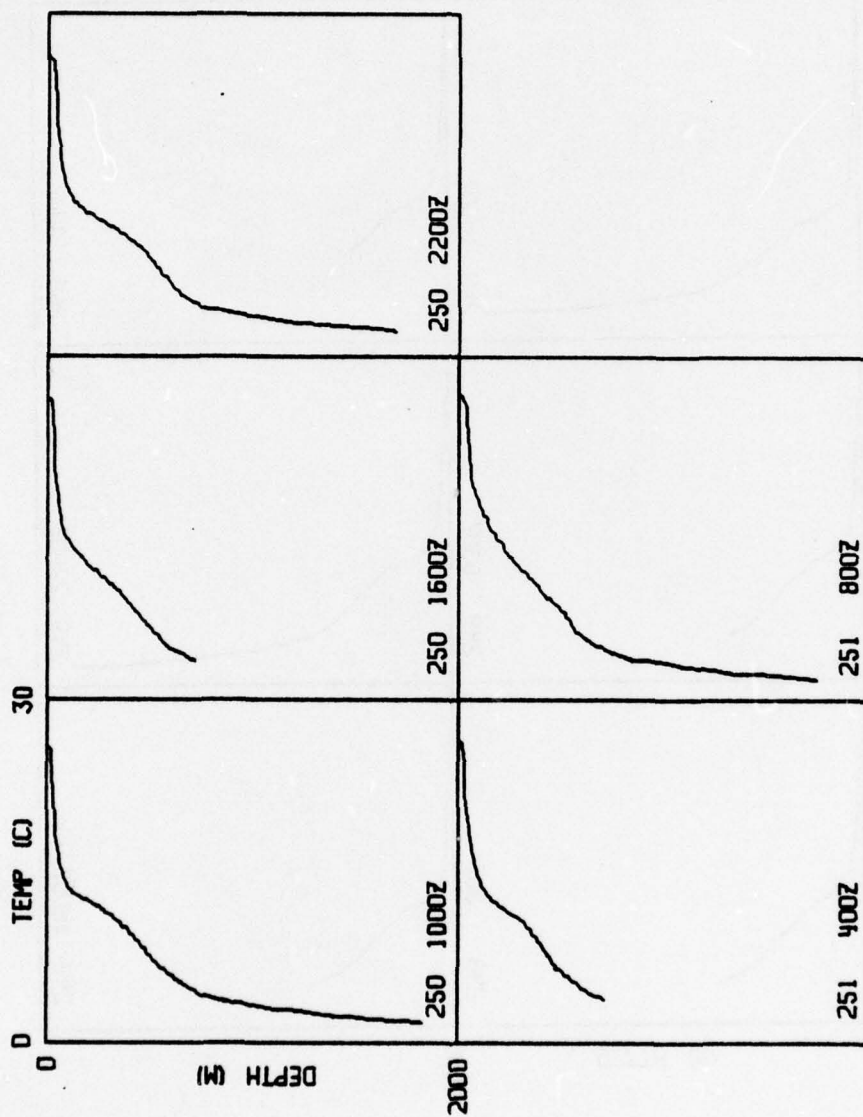
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APPENDIX E

This appendix contains group salinity vs. depth and sound speed vs. depth profiles representative of the archival profiles in the neighborhood of the ship's track.

ARCHIVAL SALINITY AND SOUND SPEED PROFILES

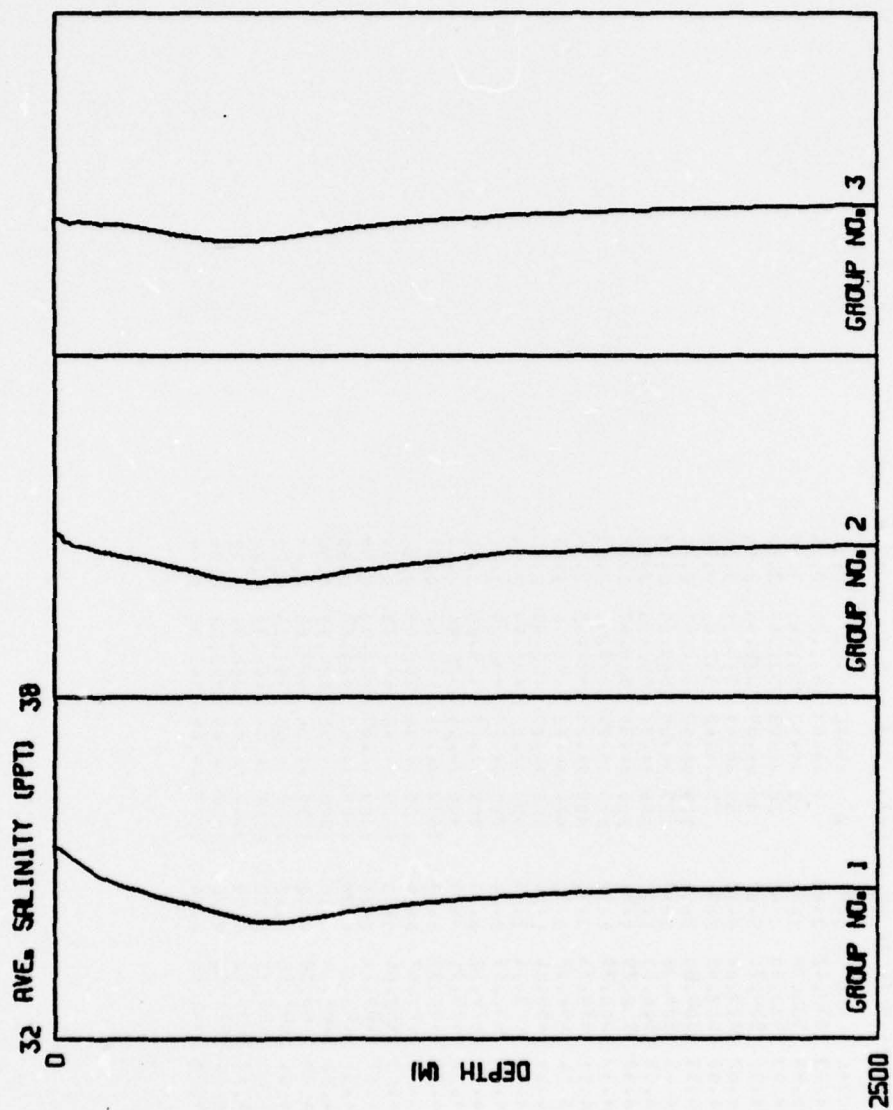
GROUP.....SEQUENTIAL ARCHIVAL GROUP NUMBER
 N.....NUMBER OF MEMBERS IN GROUP
 AVERAGE.....AVERAGE RANGE FROM END OF RADIAL
 TRACK TO PROFILE LOCATIONS (KM)
 LAT.....EXTREME VALUES OF LATITUDE AMONG
 MEMBERS OF GROUP (DEG MIN)
 Z.....DEPTH (M)
 AVSAL.....AVERAGE SALINITY (0/00)
 AVC.....AVERAGE SOUND SPEED (M/SEC)
 DEV.....STANDARD DEVIATION OF SOUND SPEED

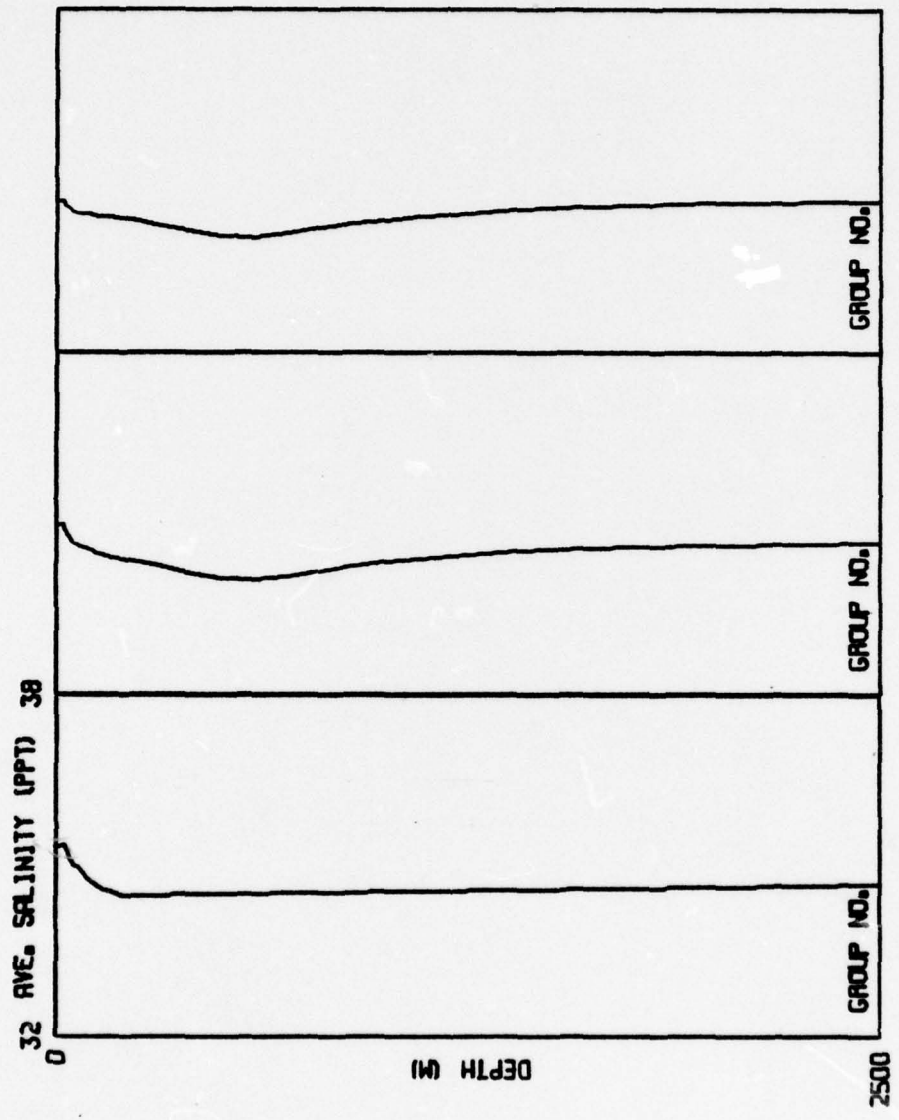
| GROUP | 1 | 2 | 3 | 4 | | | | | | | | | | |
|---------|--------------------|--------------------|--------------------|--------------------|-------|---------|------|------|-------|---------|------|------|-------|---------|
| N | 15 | 4 | 9 | 1 | | | | | | | | | | |
| AVERAGE | 1450 | 920 | 90 | 572 | | | | | | | | | | |
| LAT | 29 00 N TO 34 42 N | 30 00 N TO 35 22 N | 36 05 N TO 37 37 N | 32 10 N TO 32 10 N | | | | | | | | | | |
| Z | AVSAL | AVC | DEV | AVSAL | AVC | DEV | | | | | | | | |
| 0 | 35.38 | 1538.16 | 1.84 | 0 | 34.91 | 1534.60 | 2.25 | 0 | 34.40 | 1527.79 | 3.66 | 0 | 35.34 | 1535.70 |
| 10 | 35.36 | 1537.77 | 1.46 | 10 | 34.86 | 1534.63 | 2.50 | 10 | 34.39 | 1527.73 | 3.93 | 10 | 35.34 | 1535.80 |
| 20 | 35.31 | 1536.69 | 2.74 | 20 | 34.82 | 1532.37 | 4.91 | 20 | 34.39 | 1526.74 | 3.93 | 20 | 35.35 | 1536.00 |
| 30 | 35.29 | 1533.59 | 3.01 | 30 | 34.75 | 1526.45 | 8.04 | 30 | 34.37 | 1522.21 | 3.19 | 30 | 35.36 | 1536.20 |
| 50 | 35.17 | 1527.57 | 2.84 | 50 | 34.67 | 1515.88 | 4.44 | 50 | 34.31 | 1509.48 | 3.04 | 50 | 35.04 | 1525.10 |
| 75 | 35.06 | 1522.73 | 2.74 | 75 | 34.64 | 1511.60 | 2.80 | 75 | 34.34 | 1503.71 | 2.11 | 75 | 34.93 | 1519.90 |
| 100 | 34.96 | 1519.48 | 2.50 | 100 | 34.60 | 1509.07 | 2.50 | 100 | 34.33 | 1501.70 | 1.96 | 100 | 34.75 | 1514.30 |
| 125 | 34.87 | 1517.30 | 2.28 | 125 | 34.57 | 1508.02 | 2.38 | 125 | 34.32 | 1500.69 | 1.70 | 125 | 34.63 | 1511.20 |
| 150 | 34.79 | 1515.53 | 2.18 | 150 | 34.54 | 1507.07 | 2.34 | 150 | 34.30 | 1499.83 | 1.69 | 150 | 34.57 | 1509.40 |
| 200 | 34.69 | 1513.20 | 2.25 | 200 | 34.47 | 1505.42 | 2.34 | 200 | 34.30 | 1498.44 | 1.60 | 200 | 34.47 | 1505.70 |
| 250 | 34.61 | 1511.10 | 2.52 | 250 | 34.42 | 1503.93 | 2.11 | 250 | 34.25 | 1497.05 | 1.40 | 2000 | 34.61 | 1491.30 |
| 300 | 34.52 | 1508.79 | 2.56 | 300 | 34.37 | 1502.12 | 1.85 | 300 | 34.20 | 1495.51 | 1.04 | 2500 | 34.66 | 1498.20 |
| 400 | 34.36 | 1503.47 | 2.21 | 400 | 34.23 | 1497.38 | 1.41 | 400 | 34.09 | 1491.11 | 1.14 | 3000 | 34.67 | 1506.40 |
| 500 | 34.20 | 1496.90 | 2.15 | 500 | 34.07 | 1491.07 | 0.83 | 500 | 34.01 | 1485.83 | 1.51 | 4000 | 34.69 | 1523.80 |
| 600 | 34.06 | 1489.16 | 2.13 | 600 | 34.00 | 1485.45 | 0.65 | 600 | 34.00 | 1481.50 | 1.29 | | | |
| 700 | 34.04 | 1483.51 | 1.28 | 700 | 34.03 | 1482.22 | 0.83 | 700 | 34.06 | 1479.80 | 1.02 | | | |
| 800 | 34.12 | 1481.12 | 0.81 | 800 | 34.11 | 1480.50 | 0.66 | 800 | 34.15 | 1479.33 | 0.66 | | | |
| 900 | 34.22 | 1480.67 | 0.54 | 900 | 34.20 | 1480.45 | 0.44 | 900 | 34.22 | 1479.62 | 0.33 | | | |
| 1000 | 34.31 | 1480.81 | 0.34 | 1000 | 34.27 | 1480.80 | 0.27 | 1000 | 34.29 | 1480.02 | 0.42 | | | |
| 1100 | 34.37 | 1481.42 | 0.29 | 1100 | 34.34 | 1481.32 | 0.17 | 1100 | 34.34 | 1480.77 | 0.35 | | | |
| 1200 | 34.43 | 1482.22 | 0.27 | 1200 | 34.40 | 1482.00 | 0.50 | 1200 | 34.39 | 1481.67 | 0.32 | | | |
| 1300 | 34.46 | 1483.02 | 0.22 | 1300 | 34.50 | 1483.20 | 0.00 | 1300 | 34.43 | 1482.63 | 0.33 | | | |
| 1400 | 34.50 | 1483.91 | 0.15 | 1400 | 34.53 | 1484.10 | 0.00 | 1400 | 34.47 | 1483.62 | 0.34 | | | |
| 1500 | 34.53 | 1484.88 | 0.14 | 1500 | 34.55 | 1485.10 | 0.00 | 1500 | 34.50 | 1484.67 | 0.37 | | | |
| 1750 | 34.58 | 1487.68 | 0.14 | 1750 | 34.59 | 1487.80 | 0.00 | 1750 | 34.55 | 1487.63 | 0.32 | | | |
| 2000 | 34.61 | 1490.92 | 0.08 | 2000 | 34.62 | 1490.90 | 0.00 | 2000 | 34.58 | 1491.02 | 0.08 | | | |
| 2500 | 34.64 | 1498.29 | 0.20 | 2500 | 34.65 | 1498.20 | 0.00 | 2500 | 34.63 | 1498.28 | 0.21 | | | |
| 3000 | 34.66 | 1506.41 | 0.21 | 3000 | 34.66 | 1506.41 | 0.00 | 3000 | 34.66 | 1506.38 | 0.21 | | | |
| 4000 | 34.68 | 1523.60 | 0.08 | 4000 | 34.68 | 1523.60 | 0.08 | 4000 | 34.68 | 1523.50 | 0.43 | | | |
| 5000 | 34.68 | 1541.60 | 0.14 | 5000 | 34.66 | 1498.20 | 0.00 | 5000 | 34.69 | 1541.57 | 0.49 | | | |

| GROUP 5 | | | GROUP 6 | | |
|------------------------|-------|---------|------------------------|-------|---------|
| N | 7 | | N | 7 | |
| AVRANGE 501 | | | AVRANGE 349 | | |
| LAT 31 29 N TO 34 40 N | | | LAT 33 00 N TO 36 52 N | | |
| Z | AVSAL | AVC | Z | AVSAL | AVC |
| 0 | 34.93 | 1533.42 | 0 | 34.63 | 1531.27 |
| 10 | 34.98 | 1533.38 | 10 | 34.63 | 1531.41 |
| 20 | 34.97 | 1532.95 | 20 | 34.63 | 1531.49 |
| 30 | 34.84 | 1528.74 | 30 | 34.57 | 1528.80 |
| 50 | 34.67 | 1519.04 | 50 | 34.44 | 1516.31 |
| 75 | 34.59 | 1512.45 | 75 | 34.42 | 1507.43 |
| 100 | 34.53 | 1508.50 | 100 | 34.42 | 1504.57 |
| 125 | 34.47 | 1506.36 | 125 | 34.38 | 1503.23 |
| 150 | 34.43 | 1504.89 | 150 | 34.37 | 1502.23 |
| 200 | 34.38 | 1502.79 | 200 | 34.34 | 1500.57 |
| 250 | 34.33 | 1500.79 | 250 | 34.29 | 1498.80 |
| 300 | 34.27 | 1498.76 | 300 | 34.23 | 1497.03 |
| 400 | 34.14 | 1494.18 | 400 | 34.12 | 1492.44 |
| 500 | 34.03 | 1488.24 | 500 | 34.03 | 1486.89 |
| 600 | 34.01 | 1483.14 | 600 | 34.01 | 1481.99 |
| 700 | 34.05 | 1480.54 | 700 | 34.08 | 1480.09 |
| 800 | 34.15 | 1479.76 | 800 | 34.17 | 1479.20 |
| 900 | 34.24 | 1479.91 | 900 | 34.24 | 1479.44 |
| 1000 | 34.32 | 1480.34 | 1000 | 34.31 | 1479.84 |
| 1100 | 34.38 | 1481.07 | 1100 | 34.36 | 1480.59 |
| 1200 | 34.43 | 1482.05 | 1200 | 34.40 | 1481.78 |
| 1300 | 34.47 | 1483.10 | 1300 | 34.45 | 1482.83 |
| 1400 | 34.51 | 1484.10 | 1400 | 34.48 | 1483.88 |
| 1500 | 34.53 | 1485.13 | 1500 | 34.51 | 1484.93 |
| 1750 | 34.58 | 1488.00 | 1750 | 34.56 | 1487.82 |
| 2000 | 34.61 | 1491.15 | 2000 | 34.60 | 1491.13 |
| 2500 | 34.65 | 1498.35 | 2500 | 34.64 | 1498.33 |
| 3000 | 34.67 | 1506.42 | 3000 | 34.66 | 1506.30 |
| 4000 | 34.68 | 1523.80 | 4000 | 34.69 | 1523.53 |
| 5000 | 34.69 | 1541.80 | 5000 | 34.69 | 1541.60 |

| GROUP 5 | | | GROUP 6 | | |
|------------------------|-------|---------|------------------------|-------|---------|
| N | 7 | | N | 7 | |
| AVRANGE 501 | | | AVRANGE 349 | | |
| LAT 31 29 N TO 34 40 N | | | LAT 33 00 N TO 36 52 N | | |
| Z | AVSAL | AVC | Z | AVSAL | AVC |
| 0 | 34.93 | 1533.42 | 0 | 34.63 | 1531.27 |
| 10 | 34.98 | 1533.38 | 10 | 34.63 | 1531.41 |
| 20 | 34.97 | 1532.95 | 20 | 34.63 | 1531.49 |
| 30 | 34.84 | 1528.74 | 30 | 34.57 | 1528.80 |
| 50 | 34.67 | 1519.04 | 50 | 34.44 | 1516.31 |
| 75 | 34.59 | 1512.45 | 75 | 34.42 | 1507.43 |
| 100 | 34.53 | 1508.50 | 100 | 34.42 | 1504.57 |
| 125 | 34.47 | 1506.36 | 125 | 34.38 | 1503.23 |
| 150 | 34.43 | 1504.89 | 150 | 34.37 | 1502.23 |
| 200 | 34.38 | 1502.79 | 200 | 34.34 | 1500.57 |
| 250 | 34.33 | 1500.79 | 250 | 34.29 | 1498.80 |
| 300 | 34.27 | 1498.76 | 300 | 34.23 | 1497.03 |
| 400 | 34.14 | 1494.18 | 400 | 34.12 | 1492.44 |
| 500 | 34.03 | 1488.24 | 500 | 34.03 | 1486.89 |
| 600 | 34.01 | 1483.14 | 600 | 34.01 | 1481.99 |
| 700 | 34.05 | 1480.54 | 700 | 34.08 | 1480.09 |
| 800 | 34.15 | 1479.76 | 800 | 34.17 | 1479.20 |
| 900 | 34.24 | 1479.91 | 900 | 34.24 | 1479.44 |
| 1000 | 34.32 | 1480.34 | 1000 | 34.31 | 1479.84 |
| 1100 | 34.38 | 1481.07 | 1100 | 34.36 | 1480.59 |
| 1200 | 34.43 | 1482.05 | 1200 | 34.40 | 1481.78 |
| 1300 | 34.47 | 1483.10 | 1300 | 34.45 | 1482.83 |
| 1400 | 34.51 | 1484.10 | 1400 | 34.48 | 1483.88 |
| 1500 | 34.53 | 1485.13 | 1500 | 34.51 | 1484.93 |
| 1750 | 34.58 | 1488.00 | 1750 | 34.56 | 1487.82 |
| 2000 | 34.61 | 1491.15 | 2000 | 34.60 | 1491.13 |
| 2500 | 34.65 | 1498.35 | 2500 | 34.64 | 1498.33 |
| 3000 | 34.67 | 1506.42 | 3000 | 34.66 | 1506.30 |
| 4000 | 34.68 | 1523.80 | 4000 | 34.69 | 1523.53 |
| 5000 | 34.69 | 1541.80 | 5000 | 34.69 | 1541.60 |

| GROUP 5 | | | GROUP 6 | | |
|------------------------|-------|---------|------------------------|-------|---------|
| N | 7 | | N | 7 | |
| AVRANGE 501 | | | AVRANGE 349 | | |
| LAT 31 29 N TO 34 40 N | | | LAT 33 00 N TO 36 52 N | | |
| Z | AVSAL | AVC | Z | AVSAL | AVC |
| 0 | 34.93 | 1533.42 | 0 | 34.63 | 1531.27 |
| 10 | 34.98 | 1533.38 | 10 | 34.63 | 1531.41 |
| 20 | 34.97 | 1532.95 | 20 | 34.63 | 1531.49 |
| 30 | 34.84 | 1528.74 | 30 | 34.57 | 1528.80 |
| 50 | 34.67 | 1519.04 | 50 | 34.44 | 1516.31 |
| 75 | 34.59 | 1512.45 | 75 | 34.42 | 1507.43 |
| 100 | 34.53 | 1508.50 | 100 | 34.42 | 1504.57 |
| 125 | 34.47 | 1506.36 | 125 | 34.38 | 1503.23 |
| 150 | 34.43 | 1504.89 | 150 | 34.37 | 1502.23 |
| 200 | 34.38 | 1502.79 | 200 | 34.34 | 1500.57 |
| 250 | 34.33 | 1500.79 | 250 | 34.29 | 1498.80 |
| 300 | 34.27 | 1498.76 | 300 | 34.23 | 1497.03 |
| 400 | 34.14 | 1494.18 | 400 | 34.12 | 1492.44 |
| 500 | 34.03 | 1488.24 | 500 | 34.03 | 1486.89 |
| 600 | 34.01 | 1483.14 | 600 | 34.01 | 1481.99 |
| 700 | 34.05 | 1480.54 | 700 | 34.08 | 1480.09 |
| 800 | 34.15 | 1479.76 | 800 | 34.17 | 1479.20 |
| 900 | 34.24 | 1479.91 | 900 | 34.24 | 1479.44 |
| 1000 | 34.32 | 1480.34 | 1000 | 34.31 | 1479.84 |
| 1100 | 34.38 | 1481.07 | 1100 | 34.36 | 1480.59 |
| 1200 | 34.43 | 1482.05 | 1200 | 34.40 | 1481.78 |
| 1300 | 34.47 | 1483.10 | 1300 | 34.45 | 1482.83 |
| 1400 | 34.51 | 1484.10 | 1400 | 34.48 | 1483.88 |
| 1500 | 34.53 | 1485.13 | 1500 | 34.51 | 1484.93 |
| 1750 | 34.58 | 1488.00 | 1750 | 34.56 | 1487.82 |
| 2000 | 34.61 | 1491.15 | 2000 | 34.60 | 1491.13 |
| 2500 | 34.65 | 1498.35 | 2500 | 34.64 | 1498.33 |
| 3000 | 34.67 | 1506.42 | 3000 | 34.66 | 1506.30 |
| 4000 | 34.68 | 1523.80 | 4000 | 34.69 | 1523.53 |
| 5000 | 34.69 | 1541.80 | 5000 | 34.69 | 1541.60 |





APPENDIX F

This appendix contains the calculated sound speed profiles.

```

XBT.....SEQUENTIAL XBT NUMBER
DAY.....JULIAN DAY
TIME.....GMT
GROUP.....SEQUENTIAL ARCHIVAL GROUP NUMBER.
              FROM APPENDIX E.
Z.....DEPTH (M)
C.....SOUND SPED (M/SEC)

```

| XB7 | 1 | DAY 237 | TIME 0500 | GROUP 1 |
|-----|---|---------|-----------|---------|
|-----|---|---------|-----------|---------|

[illegible]

| XBT 2 MAY 237 TIME 12 0 GROUP 1 | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | | | | | | | | | | |
|---------------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1539.30 | 100 | 1514.24 | 200 | 1509.06 | 300 | 1505.62 | 400 | 1501.31 | 500 | 1493.81 | 600 | 1484.97 | 700 | 1480.97 | 0 | 1539.30 | 100 | 1514.24 | 200 | 1509.06 | 300 | 1505.62 | 400 | 1501.31 | 500 | 1493.81 | 600 | 1484.97 | 700 | 1480.97 |
| 5 | 1539.15 | 105 | 1513.70 | 205 | 1508.81 | 305 | 1505.70 | 405 | 1501.38 | 505 | 1493.15 | 605 | 1484.65 | 705 | 1481.06 | 5 | 1539.15 | 105 | 1513.70 | 205 | 1508.81 | 305 | 1505.70 | 405 | 1501.38 | 505 | 1493.15 | 605 | 1484.65 | 705 | 1481.06 |
| 10 | 1538.99 | 110 | 1513.15 | 210 | 1508.88 | 310 | 1505.44 | 410 | 1501.11 | 510 | 1492.85 | 610 | 1483.94 | 710 | 1480.74 | 10 | 1538.99 | 110 | 1513.15 | 210 | 1508.88 | 310 | 1505.44 | 410 | 1501.11 | 510 | 1492.85 | 610 | 1483.94 | 710 | 1480.74 |
| 15 | 1538.82 | 115 | 1512.91 | 215 | 1508.64 | 315 | 1505.18 | 415 | 1500.84 | 515 | 1492.18 | 615 | 1483.02 | 715 | 1480.82 | 15 | 1538.82 | 115 | 1512.91 | 215 | 1508.64 | 315 | 1505.18 | 415 | 1500.84 | 515 | 1492.18 | 615 | 1483.02 | 715 | 1480.82 |
| 20 | 1538.64 | 120 | 1512.35 | 220 | 1508.39 | 320 | 1504.92 | 420 | 1500.56 | 520 | 1491.88 | 620 | 1484.10 | 720 | 1480.50 | 20 | 1538.64 | 120 | 1512.35 | 220 | 1508.39 | 320 | 1504.92 | 420 | 1500.56 | 520 | 1491.88 | 620 | 1484.10 | 720 | 1480.50 |
| 25 | 1538.49 | 125 | 1512.11 | 225 | 1508.46 | 325 | 1504.99 | 425 | 1500.28 | 525 | 1491.57 | 625 | 1483.79 | 725 | 1480.59 | 25 | 1538.49 | 125 | 1512.11 | 225 | 1508.46 | 325 | 1504.99 | 425 | 1500.28 | 525 | 1491.57 | 625 | 1483.79 | 725 | 1480.59 |
| 30 | 1538.10 | 130 | 1511.86 | 230 | 1508.21 | 330 | 1504.73 | 430 | 1499.65 | 530 | 1491.27 | 630 | 1483.87 | 730 | 1480.27 | 30 | 1538.10 | 130 | 1511.86 | 230 | 1508.21 | 330 | 1504.73 | 430 | 1499.65 | 530 | 1491.27 | 630 | 1483.87 | 730 | 1480.27 |
| 35 | 1536.03 | 135 | 1511.23 | 235 | 1507.96 | 335 | 1504.46 | 435 | 1499.37 | 535 | 1490.97 | 635 | 1483.95 | 735 | 1480.36 | 35 | 1536.03 | 135 | 1511.23 | 235 | 1507.96 | 335 | 1504.46 | 435 | 1499.37 | 535 | 1490.97 | 635 | 1483.95 | 735 | 1480.36 |
| 40 | 1531.45 | 140 | 1511.68 | 240 | 1508.04 | 340 | 1504.54 | 440 | 1499.09 | 540 | 1490.66 | 640 | 1483.63 | 740 | 1480.03 | 40 | 1531.45 | 140 | 1511.68 | 240 | 1508.04 | 340 | 1504.54 | 440 | 1499.09 | 540 | 1490.66 | 640 | 1483.63 | 740 | 1480.03 |
| 45 | 1528.69 | 145 | 1511.74 | 245 | 1507.78 | 345 | 1504.27 | 445 | 1498.81 | 545 | 1489.98 | 645 | 1483.31 | 745 | 1480.12 | 45 | 1528.69 | 145 | 1511.74 | 245 | 1507.78 | 345 | 1504.27 | 445 | 1498.81 | 545 | 1489.98 | 645 | 1483.31 | 745 | 1480.12 |
| 50 | 1527.18 | 150 | 1511.19 | 250 | 1507.53 | 350 | 1504.01 | 450 | 1498.53 | 550 | 1489.67 | 650 | 1482.99 | 750 | 1479.80 | 50 | 1527.18 | 150 | 1511.19 | 250 | 1507.53 | 350 | 1504.01 | 450 | 1498.53 | 550 | 1489.67 | 650 | 1482.99 | 750 | 1479.80 |
| 55 | 1524.29 | 155 | 1510.63 | 255 | 1507.28 | 355 | 1504.08 | 455 | 1498.24 | 555 | 1489.36 | 655 | 1482.67 | 755 | 1479.47 | 55 | 1524.29 | 155 | 1510.63 | 255 | 1507.28 | 355 | 1504.08 | 455 | 1498.24 | 555 | 1489.36 | 655 | 1482.67 | 755 | 1479.47 |
| 60 | 1522.98 | 160 | 1510.39 | 260 | 1507.03 | 360 | 1503.81 | 460 | 1497.60 | 560 | 1489.05 | 660 | 1481.94 | 760 | 1479.14 | 60 | 1522.98 | 160 | 1510.39 | 260 | 1507.03 | 360 | 1503.81 | 460 | 1497.60 | 560 | 1489.05 | 660 | 1481.94 | 760 | 1479.14 |
| 65 | 1522.49 | 165 | 1510.15 | 265 | 1507.10 | 365 | 1503.55 | 465 | 1497.32 | 565 | 1488.36 | 665 | 1481.62 | 761 | 1479.16 | 65 | 1522.49 | 165 | 1510.15 | 265 | 1507.10 | 365 | 1503.55 | 465 | 1497.32 | 565 | 1488.36 | 665 | 1481.62 | 761 | 1479.16 |
| 70 | 1520.87 | 170 | 1509.90 | 270 | 1506.84 | 370 | 1503.28 | 470 | 1496.67 | 570 | 1488.04 | 670 | 1481.70 | | | 70 | 1520.87 | 170 | 1509.90 | 270 | 1506.84 | 370 | 1503.28 | 470 | 1496.67 | 570 | 1488.04 | 670 | 1481.70 | | |
| 75 | 1519.23 | 175 | 1509.66 | 275 | 1506.59 | 375 | 1502.67 | 475 | 1496.38 | 575 | 1487.73 | 675 | 1481.78 | | | 75 | 1519.23 | 175 | 1509.66 | 275 | 1506.59 | 375 | 1502.67 | 475 | 1496.38 | 575 | 1487.73 | 675 | 1481.78 | | |
| 80 | 1517.55 | 180 | 1509.73 | 280 | 1506.33 | 380 | 1502.40 | 480 | 1496.09 | 580 | 1487.03 | 680 | 1481.46 | | | 80 | 1517.55 | 180 | 1509.73 | 280 | 1506.33 | 380 | 1502.40 | 480 | 1496.09 | 580 | 1487.03 | 680 | 1481.46 | | |
| 85 | 1515.85 | 185 | 1509.48 | 285 | 1506.07 | 385 | 1502.13 | 485 | 1495.43 | 585 | 1486.71 | 685 | 1481.13 | | | 85 | 1515.85 | 185 | 1509.48 | 285 | 1506.07 | 385 | 1502.13 | 485 | 1495.43 | 585 | 1486.71 | 685 | 1481.13 | | |
| 90 | 1515.02 | 190 | 1509.23 | 290 | 1506.14 | 390 | 1501.86 | 490 | 1495.14 | 590 | 1486.00 | 690 | 1481.21 | | | 90 | 1515.02 | 190 | 1509.23 | 290 | 1506.14 | 390 | 1501.86 | 490 | 1495.14 | 590 | 1486.00 | 690 | 1481.21 | | |
| 95 | 1514.48 | 195 | 1509.30 | 295 | 1505.88 | 395 | 1501.59 | 495 | 1494.48 | 595 | 1485.68 | 695 | 1481.30 | | | 95 | 1514.48 | 195 | 1509.30 | 295 | 1505.88 | 395 | 1501.59 | 495 | 1494.48 | 595 | 1485.68 | 695 | 1481.30 | | |

| XBT 3 DAY 237 TIME 1915 | | GROUP 1 | |
|-------------------------|---------|---------|---------|
| Z | C | Z | C |
| 0 | 1539.08 | 200 | 1508.10 |
| 5 | 1539.15 | 205 | 1507.85 |
| 10 | 1539.22 | 210 | 1507.28 |
| 15 | 1539.05 | 215 | 1507.03 |
| 20 | 1538.64 | 220 | 1506.77 |
| 25 | 1538.49 | 225 | 1506.52 |
| 30 | 1538.56 | 230 | 1506.27 |
| 35 | 1538.37 | 235 | 1506.01 |
| 40 | 1538.42 | 240 | 1505.76 |
| 45 | 1529.98 | 245 | 1505.50 |
| 50 | 1526.12 | 250 | 1504.91 |
| 55 | 1523.48 | 255 | 1504.65 |
| 60 | 1520.76 | 260 | 1504.06 |
| 65 | 1519.40 | 265 | 1503.79 |
| 70 | 1518.02 | 270 | 1503.53 |
| 75 | 1516.91 | 275 | 1503.26 |
| 80 | 1515.79 | 280 | 1503.00 |
| 85 | 1514.96 | 285 | 1502.73 |
| 90 | 1514.42 | 290 | 1502.48 |
| 95 | 1513.88 | 295 | 1502.24 |
| | | 300 | 1502.01 |
| | | 305 | 1501.78 |
| | | 310 | 1501.54 |
| | | 315 | 1501.31 |
| | | 320 | 1501.07 |
| | | 325 | 1500.84 |
| | | 330 | 1500.61 |
| | | 335 | 1500.38 |
| | | 340 | 1500.15 |
| | | 345 | 1500.00 |
| | | 350 | 1499.75 |
| | | 355 | 1499.50 |
| | | 360 | 1499.25 |
| | | 365 | 1499.00 |
| | | 370 | 1498.75 |
| | | 375 | 1498.50 |
| | | 380 | 1498.25 |
| | | 385 | 1498.00 |
| | | 390 | 1497.75 |
| | | 395 | 1497.50 |
| | | 400 | 1497.25 |
| | | 405 | 1497.00 |
| | | 410 | 1496.75 |
| | | 415 | 1496.50 |
| | | 420 | 1496.25 |
| | | 425 | 1496.00 |
| | | 430 | 1495.75 |
| | | 435 | 1495.50 |
| | | 440 | 1495.25 |
| | | 445 | 1495.00 |
| | | 450 | 1494.75 |
| | | 455 | 1494.50 |
| | | 460 | 1494.25 |
| | | 465 | 1494.00 |
| | | 470 | 1493.75 |
| | | 475 | 1493.50 |
| | | 480 | 1493.25 |
| | | 485 | 1493.00 |
| | | 490 | 1492.75 |
| | | 495 | 1492.50 |
| | | 500 | 1492.25 |
| | | 505 | 1492.00 |
| | | 510 | 1491.75 |
| | | 515 | 1491.50 |
| | | 520 | 1491.25 |
| | | 525 | 1491.00 |
| | | 530 | 1490.75 |
| | | 535 | 1490.50 |
| | | 540 | 1490.25 |
| | | 545 | 1490.00 |
| | | 550 | 1489.75 |
| | | 555 | 1489.50 |
| | | 560 | 1489.25 |
| | | 565 | 1489.00 |
| | | 570 | 1488.75 |
| | | 575 | 1488.50 |
| | | 580 | 1488.25 |
| | | 585 | 1488.00 |
| | | 590 | 1487.75 |
| | | 595 | 1487.50 |
| | | 600 | 1487.25 |
| | | 605 | 1487.00 |
| | | 610 | 1486.75 |
| | | 615 | 1486.50 |
| | | 620 | 1486.25 |
| | | 625 | 1486.00 |
| | | 630 | 1485.75 |
| | | 635 | 1485.50 |
| | | 640 | 1485.25 |
| | | 645 | 1485.00 |
| | | 650 | 1484.75 |
| | | 655 | 1484.50 |
| | | 660 | 1484.25 |
| | | 665 | 1484.00 |
| | | 670 | 1483.75 |
| | | 675 | 1483.50 |
| | | 680 | 1483.25 |
| | | 685 | 1483.00 |
| | | 690 | 1482.75 |
| | | 695 | 1482.50 |
| | | 700 | 1482.25 |
| | | 705 | 1482.00 |
| | | 710 | 1481.75 |
| | | 715 | 1481.50 |
| | | 720 | 1481.25 |
| | | 725 | 1481.00 |
| | | 730 | 1480.75 |
| | | 735 | 1480.50 |
| | | 740 | 1480.25 |
| | | 745 | 1480.00 |
| | | 750 | 1479.75 |
| | | 755 | 1479.50 |
| | | 760 | 1479.25 |
| | | 765 | 1479.00 |
| | | 770 | 1478.75 |
| | | 775 | 1478.50 |
| | | 780 | 1478.25 |
| | | 785 | 1478.00 |
| | | 790 | 1477.75 |
| | | 795 | 1477.50 |
| | | 800 | 1477.25 |
| | | 805 | 1477.00 |
| | | 810 | 1476.75 |
| | | 815 | 1476.50 |
| | | 820 | 1476.25 |
| | | 825 | 1476.00 |
| | | 830 | 1475.75 |
| | | 835 | 1475.50 |
| | | 840 | 1475.25 |
| | | 845 | 1475.00 |
| | | 850 | 1474.75 |
| | | 855 | 1474.50 |
| | | 860 | 1474.25 |
| | | 865 | 1474.00 |
| | | 870 | 1473.75 |
| | | 875 | 1473.50 |
| | | 880 | 1473.25 |
| | | 885 | 1473.00 |
| | | 890 | 1472.75 |
| | | 895 | 1472.50 |
| | | 900 | 1472.25 |
| | | 905 | 1472.00 |
| | | 910 | 1471.75 |
| | | 915 | 1471.50 |
| | | 920 | 1471.25 |
| | | 925 | 1471.00 |
| | | 930 | 1470.75 |
| | | 935 | 1470.50 |
| | | 940 | 1470.25 |
| | | 945 | 1470.00 |
| | | 950 | 1469.75 |
| | | 955 | 1469.50 |
| | | 960 | 1469.25 |
| | | 965 | 1469.00 |
| | | 970 | 1468.75 |
| | | 975 | 1468.50 |
| | | 980 | 1468.25 |
| | | 985 | 1468.00 |
| | | 990 | 1467.75 |
| | | 995 | 1467.50 |
| | | 1000 | 1467.25 |

| X87 4 DAY 238 TIME 7 0 GROUP 1 | | Z C | | Z C | | Z C | | Z C | | Z C | | Z C | | Z C | | Z C | | Z C | |
|--------------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1540.21 | 95 | 1513.88 | 190 | 1508.92 | 285 | 1503.07 | 380 | 1498.93 | 475 | 1494.56 | 570 | 1486.49 | 665 | 1482.03 | 760 | 1477.57 | 855 | 1473.10 |
| 5 | 1540.05 | 100 | 1513.33 | 195 | 1508.35 | 290 | 1502.80 | 385 | 1498.45 | 480 | 1494.26 | 575 | 1486.17 | 670 | 1481.78 | 765 | 1477.30 | 860 | 1472.83 |
| 10 | 1540.12 | 105 | 1513.09 | 200 | 1508.10 | 295 | 1502.87 | 390 | 1498.37 | 485 | 1493.97 | 580 | 1485.85 | 675 | 1481.46 | 770 | 1476.98 | 865 | 1472.51 |
| 15 | 1539.50 | 110 | 1512.85 | 205 | 1507.85 | 300 | 1502.61 | 395 | 1498.09 | 490 | 1493.67 | 585 | 1485.53 | 680 | 1481.14 | 775 | 1476.66 | 870 | 1472.19 |
| 20 | 1538.04 | 115 | 1512.91 | 210 | 1507.92 | 305 | 1502.34 | 400 | 1497.80 | 495 | 1493.37 | 590 | 1485.21 | 685 | 1480.82 | 780 | 1476.34 | 875 | 1471.87 |
| 25 | 1538.02 | 120 | 1512.66 | 215 | 1507.67 | 310 | 1502.07 | 405 | 1497.52 | 500 | 1492.70 | 595 | 1484.49 | 690 | 1480.10 | 785 | 1475.66 | 880 | 1471.19 |
| 30 | 1537.86 | 125 | 1512.42 | 220 | 1507.10 | 315 | 1501.80 | 410 | 1497.24 | 505 | 1492.40 | 600 | 1484.27 | 695 | 1479.88 | 790 | 1475.40 | 885 | 1471.00 |
| 35 | 1536.04 | 130 | 1512.17 | 225 | 1506.85 | 320 | 1501.53 | 415 | 1497.31 | 510 | 1491.73 | 605 | 1484.65 | 700 | 1480.26 | 795 | 1475.78 | 890 | 1471.31 |
| 40 | 1532.44 | 135 | 1511.93 | 230 | 1506.59 | 325 | 1501.61 | 420 | 1497.02 | 515 | 1491.43 | 610 | 1484.34 | 705 | 1479.95 | 800 | 1475.47 | 895 | 1471.04 |
| 45 | 1527.13 | 140 | 1511.68 | 235 | 1506.01 | 330 | 1501.33 | 425 | 1496.74 | 520 | 1491.12 | 615 | 1484.02 | 710 | 1479.63 | 805 | 1475.15 | 900 | 1470.68 |
| 50 | 1526.65 | 145 | 1511.12 | 240 | 1505.76 | 335 | 1501.06 | 430 | 1496.45 | 525 | 1490.44 | 620 | 1483.70 | 715 | 1479.24 | 810 | 1474.76 | 905 | 1470.29 |
| 55 | 1522.65 | 150 | 1510.88 | 245 | 1505.50 | 340 | 1500.79 | 435 | 1496.16 | 530 | 1490.14 | 625 | 1483.39 | 720 | 1478.85 | 815 | 1474.37 | 910 | 1470.00 |
| 60 | 1521.60 | 155 | 1510.63 | 250 | 1505.91 | 345 | 1500.52 | 440 | 1495.87 | 535 | 1489.83 | 630 | 1483.07 | 725 | 1478.35 | 820 | 1473.87 | 915 | 1469.53 |
| 65 | 1519.40 | 160 | 1510.39 | 255 | 1506.65 | 350 | 1500.24 | 445 | 1495.94 | 540 | 1489.14 | 635 | 1482.15 | 730 | 1477.84 | 825 | 1473.36 | 920 | 1469.24 |
| 70 | 1517.44 | 165 | 1510.15 | 260 | 1506.39 | 355 | 1500.31 | 450 | 1495.65 | 545 | 1488.83 | 640 | 1481.83 | 735 | 1477.36 | 830 | 1472.88 | 925 | 1468.95 |
| 75 | 1516.33 | 170 | 1509.90 | 265 | 1506.13 | 360 | 1500.04 | 455 | 1495.36 | 550 | 1488.52 | 645 | 1481.51 | 740 | 1476.87 | 835 | 1472.39 | 930 | 1468.66 |
| 80 | 1515.50 | 175 | 1509.66 | 270 | 1503.86 | 365 | 1499.76 | 460 | 1495.07 | 555 | 1487.82 | 650 | 1481.19 | 745 | 1476.37 | 840 | 1471.90 | 935 | 1468.37 |
| 85 | 1514.96 | 180 | 1509.41 | 275 | 1503.60 | 370 | 1499.49 | 465 | 1494.78 | 560 | 1487.12 | 655 | 1481.86 | 750 | 1475.88 | 845 | 1471.61 | 940 | 1468.08 |
| 90 | 1514.42 | 185 | 1509.17 | 280 | 1503.34 | 375 | 1499.21 | 470 | 1494.44 | 565 | 1486.81 | 660 | 1481.54 | 755 | 1475.39 | 850 | 1471.32 | 945 | 1467.79 |

106

XBT 6 DAY 239 TIME 7 0 GROUP 2

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---------|---------|-----|---------|---------|-----|---------|---------|-----|---------|---------|------|---------|---------|------|---------|---------|------|---------|---------|------|---------|---------|
| Z | 0 | 1537.87 | Z | 230 | 1503.04 | Z | 460 | 1494.17 | Z | 690 | 1480.38 | Z | 920 | 1470.47 | Z | 1150 | 1480.98 | Z | 1380 | 1482.90 | Z | 1610 | 1484.67 |
| 5 | 1537.92 | | 235 | 1503.11 | | 465 | 1493.88 | | 695 | 1480.46 | | 925 | 1479.13 | | 1155 | 1481.06 | | 1385 | 1482.98 | | 1615 | 1484.75 | |
| 10 | 1537.98 | | 240 | 1502.85 | | 470 | 1493.58 | | 700 | 1480.14 | | 930 | 1479.22 | | 1160 | 1481.15 | | 1390 | 1483.07 | | 1620 | 1484.84 | |
| 15 | 1537.35 | | 245 | 1502.59 | | 475 | 1493.29 | | 705 | 1480.23 | | 935 | 1479.31 | | 1165 | 1481.24 | | 1395 | 1483.16 | | 1625 | 1484.92 | |
| 20 | 1536.67 | | 250 | 1502.67 | | 480 | 1492.62 | | 710 | 1480.31 | | 940 | 1479.40 | | 1170 | 1481.33 | | 1400 | 1483.24 | | 1630 | 1485.01 | |
| 25 | 1535.57 | | 255 | 1502.41 | | 485 | 1492.32 | | 715 | 1479.99 | | 945 | 1479.06 | | 1175 | 1481.41 | | 1405 | 1483.26 | | 1635 | 1485.10 | |
| 30 | 1533.94 | | 260 | 1502.15 | | 490 | 1492.02 | | 720 | 1480.08 | | 950 | 1479.15 | | 1180 | 1481.07 | | 1410 | 1482.98 | | 1640 | 1485.18 | |
| 35 | 1529.53 | | 265 | 1502.22 | | 495 | 1491.72 | | 725 | 1480.17 | | 955 | 1479.24 | | 1185 | 1481.16 | | 1415 | 1483.07 | | 1645 | 1485.27 | |
| 40 | 1525.15 | | 270 | 1501.96 | | 500 | 1491.41 | | 730 | 1480.26 | | 960 | 1479.33 | | 1190 | 1481.25 | | 1420 | 1483.15 | | 1650 | 1485.35 | |
| 45 | 1521.95 | | 275 | 1502.04 | | 505 | 1491.12 | | 735 | 1479.93 | | 965 | 1479.41 | | 1195 | 1481.34 | | 1425 | 1483.24 | | 1655 | 1485.44 | |
| 50 | 1519.77 | | 280 | 1501.77 | | 510 | 1490.82 | | 740 | 1480.02 | | 970 | 1479.08 | | 1200 | 1481.43 | | 1430 | 1483.32 | | 1660 | 1485.52 | |
| 55 | 1517.56 | | 285 | 1501.51 | | 515 | 1490.52 | | 745 | 1480.11 | | 975 | 1479.17 | | 1205 | 1481.52 | | 1435 | 1483.41 | | 1665 | 1485.61 | |
| 60 | 1515.30 | | 290 | 1501.59 | | 520 | 1490.22 | | 750 | 1479.78 | | 980 | 1479.25 | | 1210 | 1481.61 | | 1440 | 1483.50 | | 1670 | 1485.70 | |
| 65 | 1513.09 | | 295 | 1501.32 | | 525 | 1489.54 | | 755 | 1479.87 | | 985 | 1479.34 | | 1215 | 1481.70 | | 1445 | 1483.58 | | 1675 | 1485.78 | |
| 70 | 1513.06 | | 300 | 1501.40 | | 530 | 1489.23 | | 760 | 1479.96 | | 990 | 1479.01 | | 1220 | 1481.79 | | 1450 | 1483.67 | | 1680 | 1485.87 | |
| 75 | 1511.92 | | 305 | 1501.13 | | 535 | 1488.93 | | 765 | 1480.05 | | 995 | 1479.09 | | 1225 | 1481.88 | | 1455 | 1483.76 | | 1685 | 1485.95 | |
| 80 | 1511.08 | | 310 | 1501.20 | | 540 | 1488.62 | | 770 | 1479.72 | | 1000 | 1479.18 | | 1230 | 1481.97 | | 1460 | 1483.85 | | 1690 | 1486.04 | |
| 85 | 1510.22 | | 315 | 1500.93 | | 545 | 1488.32 | | 775 | 1479.81 | | 1005 | 1479.27 | | 1235 | 1482.06 | | 1465 | 1483.94 | | 1695 | 1486.12 | |
| 90 | 1509.68 | | 320 | 1500.66 | | 550 | 1488.01 | | 780 | 1479.90 | | 1010 | 1479.36 | | 1240 | 1482.15 | | 1470 | 1484.03 | | 1700 | 1486.21 | |
| 95 | 1509.44 | | 325 | 1500.74 | | 555 | 1487.70 | | 785 | 1479.57 | | 1015 | 1479.45 | | 1245 | 1482.24 | | 1475 | 1484.12 | | 1705 | 1486.30 | |
| 100 | 1508.88 | | 330 | 1500.46 | | 560 | 1487.39 | | 790 | 1479.66 | | 1020 | 1479.54 | | 1250 | 1482.33 | | 1480 | 1484.21 | | 1710 | 1486.39 | |
| 105 | 1508.33 | | 335 | 1500.54 | | 565 | 1487.08 | | 795 | 1479.75 | | 1025 | 1479.62 | | 1255 | 1482.42 | | 1485 | 1484.30 | | 1715 | 1486.48 | |
| 110 | 1507.77 | | 340 | 1500.26 | | 570 | 1486.77 | | 800 | 1479.42 | | 1030 | 1479.71 | | 1260 | 1482.51 | | 1490 | 1484.39 | | 1720 | 1486.57 | |
| 115 | 1507.33 | | 345 | 1499.99 | | 575 | 1486.46 | | 805 | 1479.51 | | 1035 | 1479.80 | | 1265 | 1482.60 | | 1495 | 1484.48 | | 1725 | 1486.66 | |
| 120 | 1507.28 | | 350 | 1499.72 | | 580 | 1486.15 | | 810 | 1479.60 | | 1040 | 1479.89 | | 1270 | 1482.69 | | 1500 | 1484.57 | | 1730 | 1486.75 | |
| 125 | 1507.36 | | 355 | 1499.79 | | 585 | 1485.84 | | 815 | 1479.27 | | 1045 | 1479.54 | | 1275 | 1482.78 | | 1505 | 1484.66 | | 1735 | 1486.84 | |
| 130 | 1507.11 | | 360 | 1499.52 | | 590 | 1485.52 | | 820 | 1479.36 | | 1050 | 1479.64 | | 1280 | 1482.87 | | 1510 | 1484.75 | | 1740 | 1486.93 | |
| 135 | 1506.87 | | 365 | 1499.24 | | 595 | 1485.21 | | 825 | 1479.45 | | 1055 | 1479.73 | | 1285 | 1482.96 | | 1515 | 1484.84 | | 1745 | 1487.02 | |
| 140 | 1506.62 | | 370 | 1498.96 | | 600 | 1484.89 | | 830 | 1479.54 | | 1060 | 1479.82 | | 1290 | 1483.05 | | 1520 | 1484.93 | | 1750 | 1487.11 | |
| 145 | 1506.37 | | 375 | 1498.69 | | 605 | 1484.58 | | 835 | 1479.21 | | 1065 | 1479.91 | | 1295 | 1483.14 | | 1525 | 1485.02 | | 1755 | 1487.20 | |
| 150 | 1506.12 | | 380 | 1498.76 | | 610 | 1484.27 | | 840 | 1479.30 | | 1070 | 1479.99 | | 1300 | 1483.23 | | 1530 | 1485.11 | | 1760 | 1487.29 | |
| 155 | 1505.87 | | 385 | 1498.48 | | 615 | 1483.95 | | 845 | 1479.39 | | 1075 | 1480.08 | | 1305 | 1483.32 | | 1535 | 1485.20 | | 1765 | 1487.38 | |
| 160 | 1505.55 | | 390 | 1498.20 | | 620 | 1483.64 | | 850 | 1479.48 | | 1080 | 1480.17 | | 1310 | 1483.41 | | 1540 | 1485.29 | | 1770 | 1487.47 | |
| 165 | 1505.70 | | 395 | 1497.92 | | 625 | 1483.32 | | 855 | 1479.15 | | 1085 | 1480.26 | | 1315 | 1483.50 | | 1545 | 1485.38 | | 1775 | 1487.56 | |
| 170 | 1505.44 | | 400 | 1497.64 | | 630 | 1483.01 | | 860 | 1479.24 | | 1090 | 1480.35 | | 1320 | 1483.59 | | 1550 | 1485.47 | | 1780 | 1487.65 | |
| 175 | 1505.32 | | 405 | 1497.71 | | 635 | 1482.69 | | 865 | 1479.33 | | 1095 | 1480.44 | | 1325 | 1483.68 | | 1555 | 1485.56 | | 1785 | 1487.74 | |
| 180 | 1505.26 | | 410 | 1497.43 | | 640 | 1482.37 | | 870 | 1479.42 | | 1100 | 1480.52 | | 1330 | 1483.77 | | 1560 | 1485.65 | | 1790 | 1487.83 | |
| 185 | 1505.34 | | 415 | 1497.14 | | 645 | 1482.06 | | 875 | 1479.51 | | 1105 | 1480.61 | | 1335 | 1483.86 | | 1565 | 1485.74 | | 1795 | 1487.92 | |
| 190 | 1505.08 | | 420 | 1496.86 | | 650 | 1481.74 | | 880 | 1479.18 | | 1110 | 1480.70 | | 1340 | 1483.95 | | 1570 | 1485.83 | | 1800 | 1488.01 | |
| 195 | 1504.83 | | 425 | 1496.57 | | 655 | 1481.42 | | 885 | 1479.27 | | 1115 | 1480.79 | | 1345 | 1484.04 | | 1575 | 1485.92 | | 1805 | 1488.10 | |
| 200 | 1504.57 | | 430 | 1495.92 | | 660 | 1481.91 | | 890 | 1479.36 | | 1120 | 1480.88 | | 1350 | 1484.13 | | 1580 | 1486.01 | | 1810 | 1488.19 | |
| 205 | 1504.32 | | 435 | 1495.63 | | 665 | 1481.58 | | 895 | 1479.45 | | 1125 | 1480.97 | | 1355 | 1484.22 | | 1585 | 1486.10 | | 1815 | 1488.28 | |
| 210 | 1504.07 | | 440 | 1495.34 | | 670 | 1481.26 | | 900 | 1479.11 | | 1130 | 1481.06 | | 1360 | 1484.31 | | 1590 | 1486.19 | | 1820 | 1488.37 | |
| 215 | 1503.81 | | 445 | 1495.05 | | 675 | 1480.94 | | 905 | 1479.20 | | 1135 | 1481.15 | | 1365 | 1484.40 | | 1595 | 1486.28 | | 1825 | 1488.46 | |
| 220 | 1503.55 | | 450 | 1494.76 | | 680 | 1481.03 | | 910 | 1479.29 | | 1140 | 1481.24 | | 1370 | 1484.49 | | 1600 | 1486.37 | | 1830 | 1488.55 | |
| 225 | 1503.30 | | 455 | 1494.47 | | 685 | 1480.70 | | 915 | 1479.38 | | 1145 | 1481.33 | | 1375 | 1484.58 | | 1605 | 1486.46 | | 1835 | 1488.64 | |

| | |
|----|---------|
| 0 | 1536.95 |
| 1 | 1537.00 |
| 2 | 1537.04 |
| 3 | 1536.87 |
| 4 | 1536.93 |
| 5 | 1536.73 |
| 6 | 1536.77 |
| 7 | 1536.07 |
| 8 | 1533.46 |
| 9 | 1532.07 |
| 10 | 1522.24 |
| 11 | 1522.52 |
| 12 | 1520.08 |
| 13 | 1517.86 |
| 14 | 1515.20 |
| 15 | 1514.80 |
| 16 | 1513.06 |
| 17 | 1511.31 |
| 18 | 1510.15 |
| 19 | 1508.96 |
| 20 | 1508.09 |

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[illegible]

XBT 10 DAY 241 TIME 2 0 GROUP 3

| | | | | | | | | | | | | | | | |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
| 0 | 1536.61 | 94 | 1502.00 | 188 | 1498.09 | 281 | 1495.66 | 375 | 1490.90 | 469 | 1484.73 | 563 | 1478.65 | 656 | 1477.34 |
| 5 | 1536.22 | 99 | 1501.73 | 192 | 1497.81 | 286 | 1495.38 | 380 | 1490.61 | 474 | 1484.42 | 567 | 1478.31 | 661 | 1477.43 |
| 9 | 1536.04 | 103 | 1501.14 | 197 | 1497.89 | 291 | 1495.46 | 385 | 1490.31 | 478 | 1483.69 | 572 | 1478.39 | 666 | 1477.10 |
| 14 | 1535.89 | 108 | 1500.89 | 202 | 1497.62 | 295 | 1495.16 | 389 | 1490.00 | 483 | 1482.98 | 577 | 1478.06 | 671 | 1477.19 |
| 19 | 1535.74 | 113 | 1500.63 | 206 | 1497.68 | 300 | 1494.88 | 394 | 1489.70 | 488 | 1482.66 | 581 | 1477.71 | 675 | 1476.84 |
| 23 | 1531.45 | 117 | 1500.36 | 211 | 1497.76 | 305 | 1494.60 | 399 | 1489.40 | 492 | 1482.33 | 586 | 1477.38 | 680 | 1476.93 |
| 28 | 1523.75 | 122 | 1500.44 | 216 | 1497.49 | 309 | 1494.30 | 403 | 1489.08 | 497 | 1482.41 | 591 | 1477.47 | 685 | 1477.02 |
| 33 | 1519.97 | 127 | 1500.18 | 220 | 1497.55 | 314 | 1494.37 | 406 | 1488.78 | 502 | 1482.09 | 596 | 1477.13 | 689 | 1476.67 |
| 38 | 1516.03 | 131 | 1500.24 | 225 | 1497.28 | 319 | 1494.09 | 413 | 1488.48 | 506 | 1482.15 | 600 | 1477.20 | 694 | 1476.75 |
| 42 | 1514.32 | 136 | 1499.98 | 230 | 1497.00 | 324 | 1493.80 | 417 | 1488.16 | 511 | 1481.84 | 605 | 1477.70 | 699 | 1476.84 |
| 47 | 1513.19 | 141 | 1499.72 | 234 | 1497.06 | 328 | 1493.50 | 422 | 1487.86 | 516 | 1481.52 | 610 | 1477.79 | 703 | 1476.91 |
| 52 | 1511.15 | 145 | 1499.44 | 239 | 1496.79 | 333 | 1493.21 | 427 | 1487.94 | 520 | 1480.78 | 614 | 1478.27 | 708 | 1476.59 |
| 56 | 1509.99 | 150 | 1499.18 | 244 | 1496.51 | 338 | 1492.98 | 431 | 1487.62 | 525 | 1480.46 | 619 | 1478.36 | 713 | 1476.67 |
| 61 | 1508.84 | 155 | 1498.92 | 249 | 1496.59 | 342 | 1492.98 | 436 | 1487.31 | 530 | 1480.14 | 624 | 1478.03 | 715 | 1476.71 |
| 66 | 1507.68 | 159 | 1498.64 | 253 | 1496.30 | 347 | 1492.69 | 441 | 1487.01 | 535 | 1479.82 | 628 | 1478.10 | | |
| 70 | 1506.48 | 164 | 1498.38 | 258 | 1496.02 | 352 | 1492.40 | 445 | 1486.68 | 539 | 1479.88 | 633 | 1477.77 | | |
| 75 | 1505.29 | 169 | 1498.12 | 263 | 1496.10 | 356 | 1492.09 | 450 | 1486.38 | 544 | 1479.56 | 638 | 1477.86 | | |
| 80 | 1503.75 | 173 | 1498.19 | 267 | 1495.80 | 361 | 1491.80 | 455 | 1486.07 | 549 | 1479.24 | 642 | 1477.52 | | |
| 84 | 1503.16 | 178 | 1497.92 | 272 | 1495.52 | 366 | 1491.88 | 460 | 1485.37 | 553 | 1478.89 | 647 | 1477.60 | | |
| 89 | 1502.58 | 183 | 1498.01 | 277 | 1495.60 | 370 | 1491.20 | 464 | 1485.04 | 558 | 1478.98 | 652 | 1477.49 | | |

XBT 11 DAY 241 TIME 00 GROUP 3

| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1536.14 | 94 | 1503.97 | 188 | 1499.80 | 281 | 1497.08 | 375 | 1492.01 | 469 | 1486.29 | 563 | 1481.49 | 656 | 1477.76 |
| 5 | 1536.22 | 99 | 1503.71 | 192 | 1499.53 | 286 | 1496.30 | 380 | 1491.72 | 474 | 1485.98 | 567 | 1481.15 | 661 | 1477.43 |
| 9 | 1536.28 | 103 | 1503.46 | 197 | 1499.27 | 291 | 1496.04 | 385 | 1491.05 | 478 | 1485.65 | 572 | 1480.83 | 666 | 1477.52 |
| 14 | 1536.36 | 108 | 1503.21 | 202 | 1499.01 | 295 | 1495.78 | 389 | 1491.11 | 483 | 1485.34 | 577 | 1480.91 | 671 | 1477.19 |
| 19 | 1536.44 | 113 | 1502.96 | 206 | 1498.72 | 300 | 1495.51 | 394 | 1491.19 | 488 | 1485.03 | 581 | 1480.57 | 675 | 1477.26 |
| 23 | 1536.50 | 117 | 1502.70 | 211 | 1498.45 | 305 | 1495.24 | 399 | 1490.89 | 492 | 1484.70 | 586 | 1480.25 | 680 | 1477.35 |
| 28 | 1536.76 | 122 | 1502.44 | 216 | 1498.19 | 309 | 1495.00 | 403 | 1490.96 | 497 | 1484.38 | 591 | 1479.93 | 685 | 1477.02 |
| 33 | 1522.19 | 127 | 1501.86 | 220 | 1498.59 | 314 | 1495.45 | 408 | 1490.66 | 502 | 1484.07 | 596 | 1480.01 | 689 | 1477.09 |
| 38 | 1517.76 | 131 | 1501.59 | 225 | 1498.32 | 319 | 1495.17 | 413 | 1490.36 | 506 | 1483.74 | 600 | 1479.67 | 694 | 1477.17 |
| 42 | 1515.50 | 136 | 1501.33 | 230 | 1498.06 | 324 | 1494.90 | 417 | 1490.05 | 511 | 1483.82 | 605 | 1479.35 | 699 | 1477.26 |
| 47 | 1512.89 | 141 | 1501.07 | 234 | 1498.46 | 328 | 1494.58 | 422 | 1489.75 | 516 | 1483.51 | 610 | 1479.43 | 703 | 1477.33 |
| 52 | 1511.45 | 145 | 1500.80 | 239 | 1498.19 | 333 | 1494.30 | 427 | 1489.45 | 520 | 1483.18 | 614 | 1479.09 | 708 | 1477.00 |
| 56 | 1510.61 | 150 | 1500.87 | 244 | 1498.26 | 338 | 1494.37 | 431 | 1489.14 | 525 | 1482.86 | 619 | 1479.18 | 713 | 1477.09 |
| 61 | 1509.46 | 155 | 1500.62 | 249 | 1498.34 | 342 | 1494.07 | 436 | 1488.84 | 530 | 1482.95 | 624 | 1478.86 | 715 | 1477.13 |
| 66 | 1508.30 | 159 | 1500.35 | 253 | 1498.05 | 347 | 1493.79 | 441 | 1488.15 | 535 | 1482.63 | 628 | 1478.93 | | |
| 70 | 1507.43 | 164 | 1500.43 | 258 | 1498.13 | 352 | 1493.50 | 445 | 1487.83 | 539 | 1482.30 | 633 | 1478.60 | | |
| 75 | 1506.89 | 169 | 1500.17 | 263 | 1497.85 | 356 | 1493.19 | 450 | 1487.53 | 544 | 1482.38 | 638 | 1478.28 | | |
| 80 | 1505.69 | 173 | 1500.24 | 267 | 1497.57 | 361 | 1492.90 | 455 | 1487.22 | 549 | 1482.06 | 642 | 1478.34 | | |
| 84 | 1504.79 | 178 | 1499.98 | 272 | 1497.29 | 366 | 1492.61 | 460 | 1486.92 | 553 | 1481.73 | 647 | 1478.02 | | |
| 89 | 1504.22 | 183 | 1500.06 | 277 | 1497.02 | 370 | 1492.31 | 464 | 1486.59 | 558 | 1481.41 | 652 | 1478.11 | | |

| XBT 12 | | DAY 241 | | TIME 1430 | | GROUP 3 | | | | | | | | | |
|--------|---------|---------|---------|-----------|---------|---------|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | Z | C | | | | | | | | |
| 0 | 1534.25 | 94 | 1502.00 | 188 | 1502.17 | 281 | 1500.21 | 375 | 1494.21 | 469 | 1487.82 | 563 | 1483.49 | 656 | 1481.46 |
| 5 | 1534.33 | 99 | 1501.73 | 192 | 1502.24 | 286 | 1499.94 | 380 | 1493.56 | 474 | 1487.52 | 567 | 1483.16 | 661 | 1481.14 |
| 9 | 1534.39 | 103 | 1501.81 | 197 | 1502.32 | 291 | 1499.67 | 385 | 1493.27 | 478 | 1487.20 | 572 | 1483.24 | 666 | 1481.22 |
| 14 | 1534.47 | 108 | 1501.89 | 202 | 1502.40 | 295 | 1499.39 | 389 | 1492.59 | 483 | 1486.89 | 577 | 1482.92 | 671 | 1481.31 |
| 19 | 1534.55 | 113 | 1501.97 | 206 | 1502.46 | 300 | 1499.11 | 394 | 1492.30 | 488 | 1486.58 | 581 | 1482.99 | 675 | 1480.97 |
| 23 | 1522.33 | 117 | 1501.70 | 211 | 1502.54 | 305 | 1498.84 | 399 | 1492.01 | 492 | 1486.64 | 586 | 1482.47 | 680 | 1481.06 |
| 28 | 1518.77 | 122 | 1501.79 | 216 | 1502.28 | 309 | 1498.55 | 403 | 1491.70 | 497 | 1486.33 | 591 | 1482.75 | 685 | 1480.74 |
| 33 | 1517.13 | 127 | 1501.86 | 220 | 1502.34 | 314 | 1498.28 | 408 | 1491.40 | 502 | 1486.02 | 596 | 1482.43 | 689 | 1480.81 |
| 38 | 1514.56 | 131 | 1501.92 | 225 | 1502.41 | 319 | 1498.00 | 413 | 1491.11 | 506 | 1485.70 | 600 | 1482.50 | 694 | 1480.49 |
| 42 | 1512.22 | 136 | 1502.00 | 230 | 1502.15 | 324 | 1497.73 | 417 | 1490.80 | 511 | 1485.78 | 605 | 1482.59 | 699 | 1480.16 |
| 47 | 1510.15 | 141 | 1502.07 | 234 | 1502.21 | 328 | 1497.44 | 422 | 1490.50 | 516 | 1485.47 | 610 | 1482.27 | 703 | 1479.82 |
| 52 | 1508.37 | 145 | 1502.14 | 239 | 1501.95 | 333 | 1497.16 | 427 | 1490.21 | 520 | 1485.15 | 614 | 1482.34 | 708 | 1479.50 |
| 56 | 1506.23 | 150 | 1502.21 | 244 | 1502.03 | 338 | 1496.52 | 431 | 1489.89 | 525 | 1484.84 | 619 | 1482.03 | 713 | 1479.17 |
| 61 | 1505.04 | 155 | 1501.96 | 249 | 1501.77 | 342 | 1496.23 | 436 | 1489.59 | 530 | 1484.92 | 624 | 1482.11 | 715 | 1479.21 |
| 66 | 1504.16 | 159 | 1502.03 | 253 | 1501.49 | 347 | 1495.95 | 441 | 1489.29 | 535 | 1484.61 | 628 | 1481.78 | | |
| 70 | 1502.92 | 164 | 1502.11 | 258 | 1501.23 | 352 | 1495.66 | 445 | 1489.98 | 539 | 1484.28 | 633 | 1481.87 | | |
| 75 | 1502.68 | 169 | 1502.19 | 263 | 1500.96 | 356 | 1495.37 | 450 | 1489.05 | 544 | 1483.97 | 638 | 1481.95 | | |
| 80 | 1502.76 | 173 | 1502.26 | 267 | 1500.68 | 361 | 1495.08 | 455 | 1488.75 | 549 | 1483.66 | 642 | 1481.62 | | |
| 84 | 1502.50 | 178 | 1502.34 | 272 | 1500.76 | 366 | 1494.80 | 460 | 1488.45 | 553 | 1483.72 | 647 | 1481.71 | | |
| 89 | 1502.25 | 183 | 1502.42 | 277 | 1500.49 | 370 | 1494.50 | 464 | 1488.13 | 558 | 1483.41 | 652 | 1481.39 | | |

XBT 13 DAY 242 TIME 930 GROUP 3

| Z | C | Z | C | Z | C | Z | C | Z | C |
|---|---------|----|---------|----|---------|----|---------|----|---------|
| 0 | 1533.29 | 14 | 1533.51 | 28 | 1522.67 | 56 | 1508.75 | 70 | 1504.23 |
| 5 | 1533.37 | 19 | 1533.59 | 33 | 1519.41 | 61 | 1506.95 | 75 | 1503.01 |
| 9 | 1533.43 | 23 | 1531.94 | 36 | 1516.32 | 66 | 1505.45 | 80 | 1502.44 |

XBT 14 DAY 242 TIME 14 0 GROUP 3

| Z | C | Z | C | Z | C | Z | C | Z | C |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1533.05 | 94 | 1501.67 | 188 | 1497.40 | 375 | 1489.79 | 469 | 1484.34 |
| 5 | 1533.12 | 98 | 1501.40 | 192 | 1497.11 | 380 | 1489.49 | 474 | 1484.03 |
| 9 | 1533.19 | 103 | 1501.14 | 197 | 1496.85 | 385 | 1489.19 | 478 | 1483.70 |
| 14 | 1533.02 | 108 | 1500.89 | 202 | 1496.58 | 389 | 1488.87 | 483 | 1483.38 |
| 19 | 1533.11 | 113 | 1500.63 | 206 | 1496.29 | 394 | 1488.57 | 488 | 1483.06 |
| 23 | 1532.68 | 117 | 1500.02 | 211 | 1496.36 | 399 | 1488.64 | 492 | 1482.73 |
| 28 | 1528.23 | 122 | 1499.76 | 216 | 1496.09 | 403 | 1488.33 | 497 | 1482.41 |
| 33 | 1522.46 | 127 | 1499.50 | 220 | 1495.80 | 408 | 1488.02 | 502 | 1482.09 |
| 38 | 1518.62 | 131 | 1499.23 | 225 | 1495.87 | 413 | 1488.10 | 506 | 1482.16 |
| 42 | 1515.20 | 136 | 1498.96 | 230 | 1495.60 | 417 | 1487.78 | 511 | 1481.84 |
| 47 | 1512.69 | 141 | 1499.04 | 234 | 1495.66 | 422 | 1487.48 | 516 | 1481.52 |
| 52 | 1510.84 | 145 | 1498.76 | 239 | 1495.38 | 427 | 1487.17 | 520 | 1481.19 |
| 56 | 1509.37 | 150 | 1498.84 | 244 | 1495.10 | 431 | 1486.85 | 525 | 1480.87 |
| 61 | 1507.59 | 155 | 1498.58 | 249 | 1495.17 | 436 | 1486.55 | 530 | 1480.55 |
| 66 | 1506.09 | 159 | 1498.30 | 253 | 1494.88 | 441 | 1486.24 | 535 | 1480.22 |
| 70 | 1504.23 | 164 | 1498.04 | 258 | 1494.96 | 445 | 1485.91 | 539 | 1479.89 |
| 75 | 1503.34 | 169 | 1497.78 | 263 | 1494.67 | 450 | 1485.60 | 544 | 1479.56 |
| 80 | 1502.76 | 173 | 1497.84 | 267 | 1494.38 | 455 | 1485.29 | 549 | 1479.24 |
| 84 | 1502.17 | 178 | 1497.58 | 272 | 1494.45 | 460 | 1484.98 | 553 | 1478.90 |
| 89 | 1501.92 | 183 | 1497.31 | 277 | 1494.17 | 464 | 1484.65 | 558 | 1478.57 |

| Z | C | Z | C |
|-----|---------|-----|---------|
| 656 | 1476.51 | 703 | 1475.65 |
| 661 | 1476.60 | 708 | 1475.74 |
| 666 | 1476.27 | 713 | 1475.41 |
| 671 | 1476.35 | 715 | 1475.44 |
| 675 | 1476.42 | | |
| 680 | 1476.09 | | |
| 685 | 1476.18 | | |
| 689 | 1475.83 | | |
| 694 | 1475.91 | | |
| 699 | 1475.58 | | |

| Z | C | Z | C |
|-----|---------|-----|---------|
| 563 | 1478.24 | 624 | 1477.20 |
| 567 | 1477.90 | 628 | 1476.86 |
| 572 | 1477.98 | 633 | 1476.95 |
| 577 | 1477.65 | 638 | 1477.03 |
| 581 | 1477.71 | 642 | 1476.69 |
| 586 | 1477.80 | 647 | 1476.77 |
| 591 | 1477.47 | 652 | 1476.44 |

[illegible]

XBT 16 DAY 243 TIME 2 0 GROUP 3

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---------|---|---------|-----|---------|---|---------|-----|---------|---|---------|-----|---------|---|---------|-----|---------|---|---------|-----|---------|---|---------|-----|---------|---|---------|
| Z | 0 | C | 1532.32 | Z | 94 | C | 1497.61 | Z | 188 | C | 1494.23 | Z | 375 | C | 1486.74 | Z | 469 | C | 1480.38 | Z | 563 | C | 1477.01 | Z | 656 | C | 1474.83 |
| 5 | 1531.66 | | | 98 | 1497.33 | | | 192 | 1493.94 | | | 380 | 1486.95 | | | 474 | 1480.05 | | | 567 | 1476.66 | | | 661 | 1474.50 | | |
| 9 | 1531.22 | | | 103 | 1496.72 | | | 197 | 1494.02 | | | 385 | 1486.15 | | | 478 | 1480.11 | | | 572 | 1476.74 | | | 666 | 1474.59 | | |
| 14 | 1530.56 | | | 108 | 1496.46 | | | 202 | 1493.75 | | | 389 | 1485.44 | | | 483 | 1479.79 | | | 577 | 1476.41 | | | 671 | 1474.67 | | |
| 19 | 1528.81 | | | 113 | 1495.84 | | | 206 | 1493.45 | | | 394 | 1485.13 | | | 488 | 1479.46 | | | 581 | 1476.47 | | | 675 | 1474.32 | | |
| 23 | 1528.39 | | | 117 | 1495.21 | | | 211 | 1493.53 | | | 399 | 1484.82 | | | 492 | 1479.12 | | | 586 | 1476.14 | | | 680 | 1474.40 | | |
| 28 | 1516.19 | | | 122 | 1495.29 | | | 216 | 1493.24 | | | 403 | 1484.49 | | | 497 | 1479.20 | | | 591 | 1476.22 | | | 685 | 1474.49 | | |
| 33 | 1513.01 | | | 127 | 1495.02 | | | 220 | 1493.30 | | | 408 | 1484.14 | | | 502 | 1478.87 | | | 596 | 1475.89 | | | 689 | 1474.56 | | |
| 38 | 1510.35 | | | 131 | 1495.08 | | | 225 | 1493.02 | | | 413 | 1483.84 | | | 505 | 1478.53 | | | 600 | 1475.95 | | | 694 | 1474.22 | | |
| 42 | 1507.92 | | | 136 | 1495.16 | | | 230 | 1493.10 | | | 417 | 1483.54 | | | 511 | 1478.61 | | | 605 | 1475.62 | | | 699 | 1474.31 | | |
| 47 | 1505.76 | | | 141 | 1494.88 | | | 234 | 1493.16 | | | 422 | 1483.22 | | | 516 | 1478.29 | | | 610 | 1475.71 | | | 703 | 1474.34 | | |
| 52 | 1503.58 | | | 145 | 1494.94 | | | 239 | 1493.23 | | | 427 | 1482.91 | | | 520 | 1478.35 | | | 614 | 1475.78 | | | 708 | 1474.04 | | |
| 56 | 1503.34 | | | 150 | 1495.02 | | | 244 | 1492.95 | | | 431 | 1482.57 | | | 525 | 1478.03 | | | 619 | 1475.45 | | | 713 | 1474.13 | | |
| 61 | 1501.44 | | | 155 | 1494.75 | | | 249 | 1493.02 | | | 436 | 1482.26 | | | 530 | 1478.11 | | | 624 | 1475.54 | | | 715 | 1474.17 | | |
| 66 | 1500.20 | | | 159 | 1494.82 | | | 253 | 1493.09 | | | 441 | 1481.94 | | | 535 | 1477.78 | | | 628 | 1475.19 | | | | | | |
| 70 | 1498.92 | | | 164 | 1494.90 | | | 258 | 1492.80 | | | 445 | 1481.60 | | | 539 | 1477.85 | | | 633 | 1475.27 | | | | | | |
| 75 | 1498.68 | | | 169 | 1494.63 | | | 263 | 1492.51 | | | 450 | 1481.24 | | | 544 | 1477.52 | | | 638 | 1475.36 | | | | | | |
| 80 | 1498.76 | | | 173 | 1494.68 | | | 267 | 1492.57 | | | 455 | 1481.36 | | | 549 | 1477.19 | | | 642 | 1475.01 | | | | | | |
| 84 | 1498.14 | | | 178 | 1494.42 | | | 272 | 1492.29 | | | 460 | 1481.04 | | | 553 | 1477.25 | | | 647 | 1475.10 | | | | | | |
| 89 | 1497.88 | | | 183 | 1494.50 | | | 277 | 1492.00 | | | 464 | 1480.70 | | | 558 | 1476.92 | | | 652 | 1474.76 | | | | | | |

1

XBT 18 DAY 243 TIME 14 0 GROUP 3

| | | | | | | | | | | | | | | | | | | | | | | | |
|----|---------|---------|---------|-----|---------|-----|---------|---------|---------|-----|---------|-----|---------|---------|---------|-----|---------|---|-----|---------|---|-----|---------|
| Z | 0 | 1534.49 | Z | 94 | 1503.64 | Z | 188 | 1499.46 | Z | 281 | 1496.72 | Z | 375 | 1491.64 | Z | 469 | 1486.39 | Z | 563 | 1479.87 | Z | 656 | 1474.93 |
| 5 | 1534.57 | 98 | 1503.05 | 192 | 1499.19 | 286 | 1496.45 | 380 | 1491.35 | 474 | 1485.98 | 567 | 1479.53 | 661 | 1477.02 | | | | | | | | |
| 9 | 1534.63 | 103 | 1502.80 | 197 | 1498.93 | 291 | 1496.17 | 385 | 1491.05 | 479 | 1485.65 | 572 | 1479.42 | 666 | 1477.10 | | | | | | | | |
| 14 | 1534.47 | 104 | 1502.22 | 202 | 1498.66 | 295 | 1496.23 | 389 | 1491.12 | 483 | 1484.95 | 577 | 1479.29 | 671 | 1474.77 | | | | | | | | |
| 19 | 1534.55 | 113 | 1501.97 | 206 | 1498.72 | 300 | 1495.95 | 394 | 1490.82 | 488 | 1484.44 | 581 | 1478.95 | 675 | 1474.84 | | | | | | | | |
| 23 | 1533.65 | 117 | 1501.70 | 211 | 1498.45 | 305 | 1496.03 | 399 | 1490.52 | 492 | 1484.31 | 586 | 1479.03 | 680 | 1474.51 | | | | | | | | |
| 28 | 1528.49 | 122 | 1501.45 | 216 | 1498.53 | 309 | 1495.73 | 403 | 1490.21 | 497 | 1483.99 | 591 | 1478.70 | 685 | 1474.14 | | | | | | | | |
| 33 | 1521.64 | 127 | 1501.52 | 220 | 1498.24 | 314 | 1495.45 | 408 | 1489.91 | 502 | 1483.68 | 596 | 1478.37 | 689 | 1474.25 | | | | | | | | |
| 38 | 1519.19 | 131 | 1501.25 | 225 | 1498.32 | 319 | 1495.52 | 413 | 1489.61 | 506 | 1483.35 | 600 | 1478.44 | 694 | 1475.91 | | | | | | | | |
| 42 | 1516.95 | 136 | 1500.99 | 230 | 1498.05 | 324 | 1495.24 | 417 | 1489.30 | 511 | 1482.94 | 605 | 1478.11 | 699 | 1476.00 | | | | | | | | |
| 47 | 1515.27 | 141 | 1500.73 | 234 | 1498.11 | 328 | 1494.94 | 422 | 1489.00 | 516 | 1482.32 | 610 | 1478.20 | 703 | 1475.65 | | | | | | | | |
| 52 | 1513.26 | 145 | 1500.80 | 239 | 1497.84 | 333 | 1494.66 | 427 | 1489.04 | 520 | 1481.99 | 614 | 1477.86 | 708 | 1475.74 | | | | | | | | |
| 56 | 1511.52 | 150 | 1500.54 | 244 | 1497.91 | 338 | 1494.37 | 431 | 1488.74 | 525 | 1482.07 | 619 | 1477.95 | 713 | 1475.41 | | | | | | | | |
| 61 | 1509.77 | 155 | 1500.28 | 249 | 1497.64 | 342 | 1494.07 | 436 | 1488.46 | 530 | 1481.75 | 624 | 1478.03 | 715 | 1475.44 | | | | | | | | |
| 66 | 1507.99 | 159 | 1500.35 | 253 | 1497.35 | 347 | 1493.79 | 441 | 1488.54 | 535 | 1481.43 | 628 | 1477.69 | | | | | | | | | | |
| 70 | 1506.48 | 164 | 1500.09 | 258 | 1497.43 | 352 | 1493.50 | 445 | 1488.22 | 539 | 1481.10 | 633 | 1477.78 | | | | | | | | | | |
| 75 | 1505.93 | 169 | 1500.17 | 263 | 1497.15 | 356 | 1493.19 | 450 | 1487.91 | 544 | 1480.78 | 638 | 1477.45 | | | | | | | | | | |
| 80 | 1505.37 | 173 | 1499.90 | 267 | 1497.22 | 361 | 1492.54 | 455 | 1487.22 | 549 | 1480.86 | 642 | 1477.52 | | | | | | | | | | |
| 84 | 1504.46 | 178 | 1499.98 | 272 | 1496.94 | 366 | 1492.25 | 460 | 1486.92 | 553 | 1480.52 | 647 | 1477.19 | | | | | | | | | | |
| 89 | 1503.89 | 183 | 1499.72 | 277 | 1496.66 | 370 | 1491.94 | 464 | 1486.59 | 558 | 1480.20 | 652 | 1477.28 | | | | | | | | | | |

[illegible]

XBT 21 DAY 244 TIME 0 0 GROUP 3

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---------|---------|---------|-----|---------|-----|---------|---------|---------|------|---------|------|---------|---------|---------|-----|---------|---|------|---------|---|------|---------|
| Z | 0 | 1536.37 | Z | 175 | 1497.18 | Z | 350 | 1492.37 | Z | 525 | 1483.26 | Z | 700 | 1474.11 | Z | 875 | 1477.01 | Z | 1050 | 1477.04 | Z | 1225 | 1479.26 |
| 5 | 1535.98 | 180 | 1496.92 | 355 | 1492.08 | 530 | 1482.95 | 705 | 1477.78 | 880 | 1477.10 | 1055 | 1478.03 | 1230 | 1479.35 | | | | | | | | |
| 10 | 1535.35 | 185 | 1496.65 | 360 | 1491.79 | 535 | 1483.03 | 710 | 1477.87 | 885 | 1476.76 | 1060 | 1478.12 | 1235 | 1479.43 | | | | | | | | |
| 15 | 1534.96 | 190 | 1496.73 | 365 | 1491.49 | 540 | 1482.71 | 715 | 1477.96 | 890 | 1476.85 | 1065 | 1478.20 | 1240 | 1479.52 | | | | | | | | |
| 20 | 1530.16 | 195 | 1496.46 | 370 | 1491.20 | 545 | 1482.40 | 720 | 1478.05 | 895 | 1477.02 | 1070 | 1478.29 | 1245 | 1479.61 | | | | | | | | |
| 25 | 1521.53 | 200 | 1496.55 | 375 | 1490.90 | 550 | 1482.08 | 725 | 1477.72 | 900 | 1477.11 | 1075 | 1478.38 | 1250 | 1479.69 | | | | | | | | |
| 30 | 1516.51 | 205 | 1496.27 | 380 | 1490.61 | 555 | 1482.16 | 730 | 1477.81 | 905 | 1477.20 | 1080 | 1478.43 | 1255 | 1479.78 | | | | | | | | |
| 35 | 1514.23 | 210 | 1496.35 | 385 | 1490.68 | 560 | 1481.84 | 735 | 1477.90 | 910 | 1477.29 | 1085 | 1478.52 | 1260 | 1479.87 | | | | | | | | |
| 40 | 1511.90 | 215 | 1496.07 | 390 | 1490.39 | 565 | 1481.52 | 740 | 1477.57 | 915 | 1477.37 | 1090 | 1478.61 | 1265 | 1479.96 | | | | | | | | |
| 45 | 1509.51 | 220 | 1495.15 | 395 | 1490.09 | 570 | 1481.61 | 745 | 1477.66 | 920 | 1477.46 | 1095 | 1478.70 | 1270 | 1479.61 | | | | | | | | |
| 50 | 1507.07 | 225 | 1495.87 | 400 | 1489.79 | 575 | 1481.28 | 750 | 1477.75 | 925 | 1477.55 | 1100 | 1478.79 | 1275 | 1479.69 | | | | | | | | |
| 55 | 1505.89 | 230 | 1495.95 | 405 | 1489.86 | 580 | 1480.96 | 755 | 1477.84 | 930 | 1477.64 | 1105 | 1478.88 | 1280 | 1479.78 | | | | | | | | |
| 60 | 1504.37 | 235 | 1495.67 | 410 | 1489.57 | 585 | 1480.64 | 760 | 1477.51 | 935 | 1477.73 | 1110 | 1478.97 | 1285 | 1479.87 | | | | | | | | |
| 65 | 1503.16 | 240 | 1495.75 | 415 | 1489.27 | 590 | 1480.72 | 765 | 1477.60 | 940 | 1477.82 | 1115 | 1479.06 | 1290 | 1479.96 | | | | | | | | |
| 70 | 1501.94 | 245 | 1495.47 | 420 | 1488.97 | 595 | 1480.40 | 770 | 1477.27 | 945 | 1477.91 | 1120 | 1479.15 | 1295 | 1479.60 | | | | | | | | |
| 75 | 1501.36 | 250 | 1495.54 | 425 | 1488.67 | 600 | 1480.08 | 775 | 1477.36 | 950 | 1478.00 | 1125 | 1479.24 | 1300 | 1479.69 | | | | | | | | |
| 80 | 1500.78 | 255 | 1495.27 | 430 | 1488.36 | 605 | 1480.16 | 780 | 1477.45 | 955 | 1478.09 | 1130 | 1479.33 | 1305 | 1479.78 | | | | | | | | |
| 85 | 1500.52 | 260 | 1495.34 | 435 | 1488.06 | 610 | 1479.84 | 785 | 1477.54 | 960 | 1478.18 | 1135 | 1479.42 | 1310 | 1479.87 | | | | | | | | |
| 90 | 1499.93 | 265 | 1495.06 | 440 | 1487.75 | 615 | 1479.52 | 790 | 1477.20 | 965 | 1478.27 | 1140 | 1479.51 | 1315 | 1479.96 | | | | | | | | |
| 95 | 1499.67 | 270 | 1494.78 | 445 | 1487.44 | 620 | 1479.20 | 795 | 1477.29 | 970 | 1478.36 | 1145 | 1479.60 | 1320 | 1480.04 | | | | | | | | |
| 100 | 1499.75 | 275 | 1494.86 | 450 | 1487.13 | 625 | 1479.28 | 800 | 1477.38 | 975 | 1478.45 | 1150 | 1479.69 | 1325 | 1480.13 | | | | | | | | |
| 105 | 1499.49 | 280 | 1494.58 | 455 | 1486.82 | 630 | 1478.96 | 805 | 1477.47 | 980 | 1478.54 | 1155 | 1479.78 | 1330 | 1480.21 | | | | | | | | |
| 110 | 1498.89 | 285 | 1494.29 | 460 | 1486.51 | 635 | 1478.64 | 810 | 1477.14 | 985 | 1478.63 | 1160 | 1479.87 | 1335 | 1480.30 | | | | | | | | |
| 115 | 1498.63 | 290 | 1494.01 | 465 | 1486.20 | 640 | 1478.72 | 815 | 1477.23 | 990 | 1478.72 | 1165 | 1479.96 | 1340 | 1480.39 | | | | | | | | |
| 120 | 1498.37 | 295 | 1493.72 | 470 | 1485.89 | 645 | 1478.40 | 820 | 1477.31 | 995 | 1478.81 | 1170 | 1479.05 | 1345 | 1480.47 | | | | | | | | |
| 125 | 1498.45 | 300 | 1493.80 | 475 | 1485.58 | 650 | 1478.48 | 825 | 1477.40 | 1000 | 1478.90 | 1175 | 1479.14 | 1350 | 1480.56 | | | | | | | | |
| 130 | 1498.19 | 305 | 1493.51 | 480 | 1485.27 | 655 | 1478.57 | 830 | 1477.49 | 1005 | 1479.00 | 1180 | 1479.23 | 1355 | 1480.65 | | | | | | | | |
| 135 | 1498.26 | 310 | 1493.59 | 485 | 1484.96 | 660 | 1478.24 | 835 | 1477.58 | 1010 | 1479.09 | 1185 | 1479.32 | 1360 | 1480.73 | | | | | | | | |
| 140 | 1498.00 | 315 | 1493.30 | 490 | 1484.65 | 665 | 1478.33 | 840 | 1477.67 | 1015 | 1479.18 | 1190 | 1479.41 | 1365 | 1480.82 | | | | | | | | |
| 145 | 1497.73 | 320 | 1493.38 | 495 | 1484.34 | 670 | 1478.42 | 845 | 1477.76 | 1020 | 1479.27 | 1195 | 1479.50 | 1370 | 1480.91 | | | | | | | | |
| 150 | 1497.81 | 325 | 1493.45 | 500 | 1484.03 | 675 | 1478.51 | 850 | 1477.85 | 1025 | 1479.36 | 1200 | 1479.59 | 1375 | 1481.00 | | | | | | | | |
| 155 | 1497.54 | 330 | 1493.17 | 505 | 1483.72 | 680 | 1478.18 | 855 | 1477.94 | 1030 | 1479.45 | 1205 | 1479.68 | 1380 | 1481.09 | | | | | | | | |
| 160 | 1497.28 | 335 | 1492.89 | 510 | 1483.41 | 685 | 1478.27 | 860 | 1478.03 | 1035 | 1479.54 | 1210 | 1479.77 | 1385 | 1481.18 | | | | | | | | |
| 165 | 1497.36 | 340 | 1492.95 | 515 | 1483.10 | 690 | 1477.94 | 865 | 1478.12 | 1040 | 1479.63 | 1215 | 1479.86 | 1390 | 1481.27 | | | | | | | | |
| 170 | 1497.10 | 345 | 1492.66 | 520 | 1482.79 | 695 | 1478.02 | 870 | 1478.21 | 1045 | 1479.72 | 1220 | 1479.95 | 1392 | 1481.29 | | | | | | | | |

122

[illegible]

[illegible]

[illegible]

[illegible]

XBT 27 DAY 246 TIME 1130 GROUP 2

| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1538.10 | 94 | 1507.53 | 188 | 1502.40 | 281 | 1499.04 | 375 | 1494.74 | 469 | 1488.32 | 563 | 1481.92 | 656 | 1478.15 |
| 5 | 1538.15 | 98 | 1506.95 | 192 | 1502.13 | 286 | 1499.12 | 380 | 1494.47 | 474 | 1488.01 | 567 | 1481.58 | 661 | 1478.24 |
| 9 | 1538.20 | 103 | 1506.39 | 197 | 1502.20 | 291 | 1498.84 | 385 | 1494.18 | 478 | 1487.68 | 572 | 1481.26 | 666 | 1477.91 |
| 14 | 1538.03 | 108 | 1506.14 | 202 | 1501.94 | 295 | 1498.91 | 389 | 1493.88 | 483 | 1487.37 | 577 | 1480.93 | 671 | 1477.58 |
| 19 | 1538.09 | 113 | 1505.89 | 206 | 1501.66 | 300 | 1498.63 | 394 | 1493.58 | 488 | 1487.06 | 581 | 1480.59 | 675 | 1477.64 |
| 23 | 1537.43 | 117 | 1505.63 | 211 | 1501.40 | 305 | 1498.71 | 399 | 1493.29 | 492 | 1486.73 | 586 | 1480.26 | 680 | 1477.31 |
| 28 | 1536.78 | 122 | 1505.38 | 216 | 1501.14 | 309 | 1498.42 | 403 | 1492.98 | 497 | 1486.41 | 591 | 1480.34 | 685 | 1476.98 |
| 33 | 1528.48 | 127 | 1505.13 | 220 | 1500.86 | 314 | 1498.49 | 408 | 1492.69 | 502 | 1486.10 | 596 | 1480.01 | 689 | 1477.05 |
| 38 | 1523.78 | 131 | 1504.54 | 225 | 1500.60 | 319 | 1498.21 | 413 | 1492.39 | 506 | 1485.77 | 600 | 1480.07 | 694 | 1476.71 |
| 42 | 1521.91 | 136 | 1504.61 | 230 | 1500.33 | 324 | 1497.93 | 417 | 1492.08 | 511 | 1485.85 | 605 | 1479.75 | 699 | 1476.38 |
| 47 | 1519.74 | 141 | 1504.36 | 234 | 1500.39 | 328 | 1497.64 | 422 | 1491.78 | 516 | 1485.54 | 610 | 1479.44 | 703 | 1476.03 |
| 52 | 1517.80 | 145 | 1504.09 | 239 | 1500.13 | 333 | 1497.36 | 427 | 1491.48 | 520 | 1485.21 | 614 | 1479.50 | 708 | 1475.70 |
| 56 | 1515.53 | 150 | 1503.84 | 244 | 1499.86 | 338 | 1497.08 | 431 | 1491.14 | 525 | 1484.90 | 619 | 1479.58 | 713 | 1475.36 |
| 61 | 1513.83 | 155 | 1503.58 | 249 | 1499.93 | 342 | 1496.78 | 436 | 1490.86 | 530 | 1484.58 | 624 | 1479.26 | 715 | 1474.97 |
| 66 | 1512.70 | 159 | 1503.64 | 253 | 1500.00 | 347 | 1496.50 | 441 | 1490.56 | 535 | 1484.27 | 628 | 1479.32 | | |
| 70 | 1511.24 | 164 | 1503.38 | 258 | 1499.73 | 352 | 1496.22 | 445 | 1490.24 | 539 | 1483.54 | 633 | 1479.00 | | |
| 75 | 1510.39 | 169 | 1503.13 | 263 | 1499.80 | 356 | 1495.92 | 450 | 1489.54 | 544 | 1483.22 | 638 | 1479.08 | | |
| 80 | 1508.53 | 173 | 1502.85 | 267 | 1498.52 | 361 | 1495.63 | 455 | 1489.25 | 549 | 1482.90 | 642 | 1478.74 | | |
| 84 | 1508.96 | 178 | 1502.93 | 272 | 1498.25 | 366 | 1495.35 | 460 | 1488.95 | 553 | 1482.16 | 647 | 1478.82 | | |
| 89 | 1508.09 | 183 | 1502.67 | 277 | 1499.33 | 370 | 1495.05 | 464 | 1488.63 | 558 | 1482.24 | 652 | 1478.50 | | |

| XBT 29 | | DAY 247 | | TIME 030 | | GROUP 2 | | | | | | | |
|--------|---------|---------|---------|----------|---------|---------|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | Z | C | | | | | | |
| 0 | 1538.78 | 94 | 1507.53 | 201 | 1498.69 | 375 | 1494.40 | 469 | 1488.32 | 563 | 1482.72 | 656 | 1478.15 |
| 5 | 1538.61 | 98 | 1506.95 | 286 | 1498.77 | 380 | 1494.11 | 474 | 1489.01 | 567 | 1482.38 | 661 | 1478.24 |
| 9 | 1538.42 | 103 | 1506.71 | 291 | 1498.50 | 385 | 1493.82 | 478 | 1487.68 | 572 | 1482.46 | 666 | 1477.91 |
| 14 | 1538.25 | 108 | 1506.46 | 295 | 1498.21 | 389 | 1493.51 | 483 | 1487.37 | 577 | 1482.14 | 671 | 1477.58 |
| 19 | 1538.09 | 113 | 1506.22 | 300 | 1497.93 | 394 | 1493.22 | 488 | 1487.06 | 581 | 1481.80 | 675 | 1477.64 |
| 23 | 1538.12 | 117 | 1505.95 | 305 | 1498.01 | 399 | 1492.92 | 492 | 1486.73 | 586 | 1481.48 | 680 | 1477.31 |
| 28 | 1537.94 | 122 | 1505.70 | 309 | 1497.71 | 403 | 1492.61 | 497 | 1486.41 | 591 | 1481.15 | 685 | 1477.40 |
| 33 | 1537.00 | 127 | 1505.46 | 314 | 1497.44 | 408 | 1492.32 | 502 | 1486.10 | 596 | 1480.82 | 689 | 1477.05 |
| 38 | 1526.98 | 131 | 1505.19 | 319 | 1497.16 | 413 | 1492.02 | 506 | 1485.77 | 600 | 1480.49 | 694 | 1477.13 |
| 42 | 1522.74 | 136 | 1504.61 | 324 | 1497.23 | 417 | 1491.71 | 511 | 1485.44 | 605 | 1480.57 | 699 | 1476.80 |
| 47 | 1520.30 | 141 | 1504.36 | 328 | 1496.93 | 422 | 1491.41 | 516 | 1485.15 | 610 | 1480.24 | 703 | 1476.45 |
| 52 | 1518.09 | 145 | 1504.09 | 333 | 1496.65 | 427 | 1491.11 | 520 | 1485.21 | 614 | 1479.90 | 708 | 1476.12 |
| 56 | 1515.53 | 150 | 1503.84 | 338 | 1496.37 | 431 | 1490.79 | 525 | 1484.90 | 619 | 1479.58 | 713 | 1475.36 |
| 61 | 1514.13 | 155 | 1503.58 | 342 | 1496.43 | 436 | 1490.49 | 530 | 1484.58 | 624 | 1479.67 | 715 | 1475.40 |
| 66 | 1513.60 | 159 | 1503.31 | 347 | 1496.15 | 441 | 1490.19 | 535 | 1484.27 | 628 | 1479.32 | | |
| 70 | 1512.46 | 164 | 1503.05 | 352 | 1495.86 | 445 | 1489.87 | 539 | 1483.93 | 633 | 1479.00 | | |
| 75 | 1511.62 | 169 | 1502.79 | 356 | 1495.56 | 450 | 1489.54 | 544 | 1483.62 | 638 | 1478.67 | | |
| 80 | 1510.46 | 173 | 1502.85 | 361 | 1495.28 | 455 | 1489.24 | 549 | 1483.70 | 642 | 1478.74 | | |
| 84 | 1509.59 | 178 | 1502.59 | 366 | 1494.99 | 460 | 1488.95 | 553 | 1483.36 | 647 | 1478.41 | | |
| 89 | 1508.41 | 183 | 1502.33 | 370 | 1494.69 | 464 | 1488.63 | 558 | 1483.04 | 652 | 1478.50 | | |
| | | | | | | | | | | | | | |

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| XBT 31 | | DAY 247 | TIME 1230 | GROUP 3 | | | | | | | | | |
|--------|---------|---------|-----------|---------|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | | | | | | | | |
| 0 | 1537.30 | 94 | 1505.91 | 188 | 1501.16 | 375 | 1492.38 | 469 | 1486.67 | 563 | 1481.09 | 656 | 1477.76 |
| 5 | 1537.38 | 98 | 1505.65 | 192 | 1500.89 | 380 | 1492.09 | 474 | 1486.36 | 567 | 1481.15 | 661 | 1477.43 |
| 9 | 1537.44 | 103 | 1505.41 | 197 | 1500.63 | 385 | 1491.80 | 478 | 1486.04 | 572 | 1480.83 | 666 | 1477.52 |
| 14 | 1537.29 | 108 | 1505.17 | 202 | 1500.37 | 389 | 1491.49 | 483 | 1485.73 | 577 | 1480.51 | 671 | 1477.61 |
| 19 | 1536.68 | 113 | 1504.92 | 206 | 1500.09 | 394 | 1491.19 | 488 | 1485.42 | 581 | 1480.17 | 675 | 1477.26 |
| 23 | 1521.93 | 117 | 1504.66 | 211 | 1500.17 | 399 | 1490.92 | 492 | 1485.09 | 586 | 1480.25 | 680 | 1477.35 |
| 28 | 1521.85 | 122 | 1504.42 | 216 | 1499.90 | 403 | 1490.21 | 497 | 1484.77 | 591 | 1479.93 | 685 | 1477.02 |
| 33 | 1518.56 | 127 | 1504.17 | 220 | 1499.62 | 408 | 1490.29 | 502 | 1484.46 | 596 | 1479.60 | 689 | 1477.08 |
| 38 | 1516.03 | 131 | 1503.90 | 225 | 1499.36 | 413 | 1489.99 | 506 | 1484.13 | 600 | 1479.67 | 694 | 1476.75 |
| 42 | 1513.72 | 136 | 1503.65 | 230 | 1499.09 | 417 | 1489.67 | 511 | 1483.82 | 605 | 1479.35 | 699 | 1476.84 |
| 47 | 1511.07 | 141 | 1503.40 | 234 | 1498.80 | 422 | 1489.38 | 516 | 1483.51 | 610 | 1479.02 | 703 | 1476.49 |
| 52 | 1509.92 | 145 | 1503.13 | 239 | 1498.53 | 427 | 1489.08 | 520 | 1483.57 | 614 | 1479.09 | 708 | 1476.16 |
| 56 | 1509.37 | 150 | 1502.88 | 244 | 1498.61 | 431 | 1488.76 | 525 | 1483.26 | 619 | 1478.77 | 713 | 1475.83 |
| 61 | 1508.84 | 155 | 1502.63 | 249 | 1498.34 | 436 | 1488.46 | 530 | 1482.95 | 624 | 1478.44 | 715 | 1475.86 |
| 66 | 1508.30 | 159 | 1502.36 | 253 | 1498.40 | 441 | 1488.15 | 535 | 1482.63 | 628 | 1478.51 | | |
| 70 | 1508.06 | 164 | 1502.44 | 258 | 1498.13 | 445 | 1487.83 | 539 | 1482.30 | 633 | 1478.19 | | |
| 75 | 1507.52 | 169 | 1502.19 | 263 | 1497.85 | 450 | 1487.53 | 544 | 1481.98 | 638 | 1478.27 | | |
| 80 | 1506.97 | 173 | 1501.92 | 267 | 1497.92 | 455 | 1487.22 | 549 | 1482.06 | 642 | 1477.93 | | |
| 84 | 1506.71 | 178 | 1501.67 | 272 | 1497.64 | 460 | 1487.30 | 553 | 1481.73 | 647 | 1478.02 | | |
| 89 | 1506.15 | 183 | 1501.42 | 277 | 1497.72 | 464 | 1486.98 | 558 | 1481.41 | 652 | 1477.69 | | |

XBT 33 DAY 24A

2 c

| XBT 34 DAY 248 TIME 630 GROUP 3 | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | | | | | | | | | | |
|---------------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1537.30 | 94 | 1501.33 | 188 | 1498.43 | 281 | 1495.66 | 375 | 1490.16 | 469 | 1483.16 | 563 | 1479.06 | 656 | 1476.93 | 0 | 1537.30 | 94 | 1501.33 | 188 | 1498.43 | 281 | 1495.66 | 375 | 1490.16 | 469 | 1483.16 | 563 | 1479.06 | 656 | 1476.93 |
| 5 | 1537.15 | 98 | 1501.06 | 192 | 1498.50 | 286 | 1495.38 | 380 | 1489.86 | 474 | 1482.84 | 567 | 1479.12 | 661 | 1477.02 | 5 | 1537.15 | 98 | 1501.06 | 192 | 1498.50 | 286 | 1495.38 | 380 | 1489.86 | 474 | 1482.84 | 567 | 1479.12 | 661 | 1477.02 |
| 9 | 1536.58 | 103 | 1500.81 | 197 | 1498.24 | 291 | 1495.10 | 385 | 1488.56 | 478 | 1482.51 | 572 | 1478.80 | 666 | 1477.10 | 9 | 1536.58 | 103 | 1500.81 | 197 | 1498.24 | 291 | 1495.10 | 385 | 1488.56 | 478 | 1482.51 | 572 | 1478.80 | 666 | 1477.10 |
| 14 | 1536.13 | 108 | 1500.55 | 202 | 1498.32 | 295 | 1494.80 | 389 | 1488.87 | 483 | 1482.19 | 577 | 1478.88 | 671 | 1476.77 | 14 | 1536.13 | 108 | 1500.55 | 202 | 1498.32 | 295 | 1494.80 | 389 | 1488.87 | 483 | 1482.19 | 577 | 1478.88 | 671 | 1476.77 |
| 19 | 1535.97 | 113 | 1500.30 | 206 | 1498.03 | 300 | 1494.52 | 394 | 1488.57 | 488 | 1481.87 | 581 | 1478.54 | 675 | 1476.44 | 19 | 1535.97 | 113 | 1500.30 | 206 | 1498.03 | 300 | 1494.52 | 394 | 1488.57 | 488 | 1481.87 | 581 | 1478.54 | 675 | 1476.44 |
| 23 | 1534.13 | 117 | 1500.02 | 211 | 1498.11 | 305 | 1494.24 | 399 | 1488.26 | 492 | 1481.53 | 586 | 1478.21 | 680 | 1476.93 | 23 | 1534.13 | 117 | 1500.02 | 211 | 1498.11 | 305 | 1494.24 | 399 | 1488.26 | 492 | 1481.53 | 586 | 1478.21 | 680 | 1476.93 |
| 28 | 1529.51 | 122 | 1499.76 | 216 | 1497.84 | 309 | 1493.94 | 403 | 1487.94 | 497 | 1481.21 | 591 | 1478.29 | 685 | 1476.80 | 28 | 1529.51 | 122 | 1499.76 | 216 | 1497.84 | 309 | 1493.94 | 403 | 1487.94 | 497 | 1481.21 | 591 | 1478.29 | 685 | 1476.80 |
| 33 | 1523.28 | 127 | 1499.84 | 220 | 1497.90 | 314 | 1493.65 | 408 | 1487.64 | 502 | 1481.29 | 596 | 1477.96 | 689 | 1476.67 | 33 | 1523.28 | 127 | 1499.84 | 220 | 1497.90 | 314 | 1493.65 | 408 | 1487.64 | 502 | 1481.29 | 596 | 1477.96 | 689 | 1476.67 |
| 38 | 1517.76 | 131 | 1499.57 | 225 | 1497.97 | 319 | 1493.36 | 413 | 1487.34 | 506 | 1480.96 | 600 | 1478.03 | 694 | 1476.75 | 38 | 1517.76 | 131 | 1499.57 | 225 | 1497.97 | 319 | 1493.36 | 413 | 1487.34 | 506 | 1480.96 | 600 | 1478.03 | 694 | 1476.75 |
| 42 | 1515.50 | 136 | 1499.30 | 230 | 1497.70 | 324 | 1492.71 | 417 | 1487.02 | 511 | 1480.64 | 605 | 1477.70 | 699 | 1476.42 | 42 | 1515.50 | 136 | 1499.30 | 230 | 1497.70 | 324 | 1492.71 | 417 | 1487.02 | 511 | 1480.64 | 605 | 1477.70 | 699 | 1476.42 |
| 47 | 1512.99 | 141 | 1499.04 | 234 | 1497.76 | 328 | 1492.41 | 422 | 1486.71 | 516 | 1480.72 | 610 | 1477.79 | 703 | 1476.07 | 47 | 1512.99 | 141 | 1499.04 | 234 | 1497.76 | 328 | 1492.41 | 422 | 1486.71 | 516 | 1480.72 | 610 | 1477.79 | 703 | 1476.07 |
| 52 | 1511.76 | 145 | 1499.10 | 239 | 1497.49 | 333 | 1492.11 | 427 | 1486.41 | 520 | 1480.38 | 614 | 1477.86 | 708 | 1475.74 | 52 | 1511.76 | 145 | 1499.10 | 239 | 1497.49 | 333 | 1492.11 | 427 | 1486.41 | 520 | 1480.38 | 614 | 1477.86 | 708 | 1475.74 |
| 56 | 1510.61 | 150 | 1498.84 | 244 | 1497.22 | 338 | 1492.19 | 431 | 1486.08 | 525 | 1480.46 | 619 | 1477.53 | 713 | 1475.41 | 56 | 1510.61 | 150 | 1498.84 | 244 | 1497.22 | 338 | 1492.19 | 431 | 1486.08 | 525 | 1480.46 | 619 | 1477.53 | 713 | 1475.41 |
| 61 | 1508.94 | 155 | 1498.92 | 249 | 1497.29 | 342 | 1491.88 | 436 | 1485.77 | 530 | 1480.14 | 624 | 1477.62 | 715 | 1475.02 | 61 | 1508.94 | 155 | 1498.92 | 249 | 1497.29 | 342 | 1491.88 | 436 | 1485.77 | 530 | 1480.14 | 624 | 1477.62 | 715 | 1475.02 |
| 66 | 1507.36 | 159 | 1498.98 | 253 | 1497.00 | 347 | 1491.59 | 441 | 1485.46 | 535 | 1480.22 | 628 | 1477.69 | | | 66 | 1507.36 | 159 | 1498.98 | 253 | 1497.00 | 347 | 1491.59 | 441 | 1485.46 | 535 | 1480.22 | 628 | 1477.69 | | |
| 70 | 1505.32 | 164 | 1498.73 | 258 | 1496.73 | 352 | 1491.30 | 445 | 1485.14 | 539 | 1479.88 | 633 | 1477.36 | | | 70 | 1505.32 | 164 | 1498.73 | 258 | 1496.73 | 352 | 1491.30 | 445 | 1485.14 | 539 | 1479.88 | 633 | 1477.36 | | |
| 75 | 1503.67 | 169 | 1498.81 | 263 | 1496.45 | 356 | 1490.99 | 450 | 1484.83 | 544 | 1479.97 | 638 | 1477.45 | | | 75 | 1503.67 | 169 | 1498.81 | 263 | 1496.45 | 356 | 1490.99 | 450 | 1484.83 | 544 | 1479.97 | 638 | 1477.45 | | |
| 80 | 1502.76 | 173 | 1498.53 | 267 | 1496.16 | 361 | 1490.69 | 455 | 1484.51 | 549 | 1479.64 | 642 | 1477.52 | | | 80 | 1502.76 | 173 | 1498.53 | 267 | 1496.16 | 361 | 1490.69 | 455 | 1484.51 | 549 | 1479.64 | 642 | 1477.52 | | |
| 84 | 1502.17 | 178 | 1498.61 | 272 | 1495.88 | 366 | 1490.40 | 460 | 1483.81 | 553 | 1479.30 | 647 | 1477.19 | | | 84 | 1502.17 | 178 | 1498.61 | 272 | 1495.88 | 366 | 1490.40 | 460 | 1483.81 | 553 | 1479.30 | 647 | 1477.19 | | |
| 89 | 1501.59 | 183 | 1498.70 | 277 | 1495.60 | 370 | 1490.08 | 464 | 1483.48 | 558 | 1479.38 | 652 | 1477.28 | | | 89 | 1501.59 | 183 | 1498.70 | 277 | 1495.60 | 370 | 1490.08 | 464 | 1483.48 | 558 | 1479.38 | 652 | 1477.28 | | |

187 35 DAY 248 TIME 1230 GROUP 3

| | | | | | | | | | | | | | | | | | | | |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
| 0 | 1536.14 | 94 | 1502.33 | 188 | 1498.78 | 291 | 1496.02 | 375 | 1491.64 | 469 | 1485.12 | 563 | 1479.87 | 656 | 1477.35 | 750 | 1474.83 | 844 | 1472.31 |
| 5 | 1536.22 | 98 | 1502.06 | 192 | 1498.50 | 296 | 1496.09 | 380 | 1491.35 | 474 | 1484.81 | 567 | 1479.94 | 661 | 1477.43 | 755 | 1474.91 | 849 | 1472.39 |
| 9 | 1536.04 | 103 | 1501.81 | 197 | 1498.24 | 291 | 1495.81 | 385 | 1491.05 | 478 | 1484.48 | 572 | 1479.62 | 666 | 1477.52 | 760 | 1475.00 | 854 | 1472.48 |
| 14 | 1535.89 | 108 | 1501.22 | 202 | 1498.32 | 295 | 1495.52 | 389 | 1490.74 | 483 | 1484.17 | 577 | 1479.70 | 671 | 1477.19 | 765 | 1474.67 | 859 | 1472.15 |
| 19 | 1535.27 | 113 | 1501.30 | 206 | 1498.03 | 300 | 1495.59 | 394 | 1490.45 | 488 | 1483.85 | 581 | 1479.36 | 675 | 1477.26 | 769 | 1474.74 | 863 | 1472.22 |
| 23 | 1534.37 | 117 | 1501.03 | 211 | 1497.76 | 305 | 1495.31 | 399 | 1490.15 | 492 | 1483.52 | 586 | 1479.03 | 680 | 1477.35 | 774 | 1474.83 | 868 | 1472.31 |
| 28 | 1530.02 | 122 | 1500.78 | 216 | 1497.84 | 309 | 1495.37 | 403 | 1489.83 | 497 | 1483.20 | 591 | 1479.11 | 685 | 1477.43 | 779 | 1474.89 | 873 | 1472.35 |
| 33 | 1525.46 | 127 | 1500.52 | 220 | 1497.55 | 314 | 1495.09 | 408 | 1489.54 | 502 | 1482.88 | 596 | 1478.78 | 690 | 1477.09 | 784 | 1474.57 | 878 | 1472.03 |
| 38 | 1516.90 | 131 | 1500.58 | 225 | 1497.28 | 319 | 1494.81 | 413 | 1489.24 | 506 | 1482.55 | 600 | 1478.44 | 694 | 1477.17 | 788 | 1474.65 | 882 | 1472.11 |
| 42 | 1514.91 | 136 | 1500.32 | 230 | 1497.35 | 324 | 1494.68 | 417 | 1488.82 | 511 | 1482.24 | 605 | 1478.53 | 699 | 1477.26 | 793 | 1474.74 | 887 | 1472.18 |
| 47 | 1512.89 | 141 | 1500.06 | 234 | 1497.06 | 328 | 1494.58 | 422 | 1488.62 | 516 | 1481.92 | 610 | 1478.20 | 703 | 1477.33 | 797 | 1474.81 | 891 | 1472.25 |
| 52 | 1511.15 | 145 | 1500.12 | 239 | 1497.14 | 333 | 1494.30 | 427 | 1488.32 | 520 | 1481.99 | 614 | 1478.27 | 708 | 1477.00 | 802 | 1474.48 | 896 | 1471.98 |
| 56 | 1509.99 | 150 | 1499.86 | 244 | 1496.87 | 338 | 1494.01 | 431 | 1488.00 | 525 | 1481.67 | 619 | 1477.95 | 713 | 1477.09 | 807 | 1474.57 | 901 | 1472.03 |
| 61 | 1508.53 | 155 | 1499.60 | 249 | 1496.94 | 342 | 1493.71 | 436 | 1487.70 | 530 | 1481.35 | 624 | 1477.62 | 718 | 1476.76 | 812 | 1474.24 | 906 | 1471.98 |
| 66 | 1507.36 | 159 | 1499.67 | 253 | 1496.65 | 347 | 1493.42 | 441 | 1487.39 | 535 | 1481.03 | 628 | 1477.69 | 722 | 1476.83 | 816 | 1474.31 | 910 | 1471.98 |
| 70 | 1505.84 | 164 | 1499.41 | 258 | 1496.73 | 352 | 1493.13 | 445 | 1487.07 | 539 | 1481.10 | 633 | 1477.78 | 727 | 1476.92 | 821 | 1474.40 | 915 | 1471.98 |
| 75 | 1504.64 | 169 | 1499.15 | 263 | 1496.45 | 356 | 1492.83 | 450 | 1486.76 | 544 | 1480.78 | 638 | 1477.45 | 732 | 1476.59 | 826 | 1474.07 | 920 | 1471.98 |
| 80 | 1503.75 | 173 | 1499.22 | 267 | 1496.51 | 361 | 1492.54 | 455 | 1486.44 | 549 | 1480.45 | 642 | 1477.52 | 736 | 1476.66 | 830 | 1474.15 | 925 | 1472.03 |
| 84 | 1502.83 | 178 | 1498.96 | 272 | 1496.23 | 366 | 1492.25 | 460 | 1486.15 | 553 | 1480.52 | 647 | 1477.60 | 740 | 1476.74 | 834 | 1474.23 | 930 | 1472.11 |
| 89 | 1502.58 | 183 | 1498.70 | 277 | 1496.31 | 370 | 1491.94 | 464 | 1485.82 | 558 | 1480.20 | 652 | 1477.69 | 745 | 1476.83 | 839 | 1474.31 | 935 | 1472.18 |

[illegible]

[illegible]

| XBT 38 | | DAY 249 | | TIME 630 | | GROUP 3 | | | | | | | | | |
|--------|---------|---------|---------|----------|---------|---------|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Z | C | Z | C | Z | C | Z | C | | | | | | | | |
| 0 | 1533.77 | 84 | 1499.16 | 169 | 1495.33 | 253 | 1493.81 | 338 | 1490.35 | 422 | 1485.17 | 506 | 1480.96 | 591 | 1476.64 |
| 5 | 1533.61 | 89 | 1498.90 | 173 | 1495.40 | 258 | 1493.88 | 342 | 1490.03 | 427 | 1484.86 | 511 | 1480.64 | 596 | 1476.72 |
| 9 | 1533.67 | 94 | 1497.96 | 178 | 1495.13 | 263 | 1493.50 | 347 | 1489.74 | 431 | 1484.53 | 516 | 1480.32 | 600 | 1476.79 |
| 14 | 1533.02 | 98 | 1496.99 | 183 | 1495.21 | 267 | 1493.30 | 352 | 1489.44 | 436 | 1484.22 | 520 | 1479.98 | 605 | 1476.46 |
| 19 | 1532.37 | 103 | 1497.07 | 188 | 1494.94 | 272 | 1493.01 | 356 | 1489.12 | 441 | 1483.91 | 525 | 1479.66 | 610 | 1476.55 |
| 23 | 1530.20 | 108 | 1497.15 | 192 | 1495.01 | 277 | 1492.73 | 361 | 1488.82 | 445 | 1483.58 | 530 | 1479.33 | 614 | 1476.61 |
| 28 | 1524.02 | 113 | 1496.88 | 197 | 1495.09 | 281 | 1492.42 | 366 | 1488.52 | 450 | 1483.26 | 535 | 1479.01 | 619 | 1476.29 |
| 33 | 1515.38 | 117 | 1496.95 | 202 | 1494.82 | 286 | 1491.77 | 370 | 1488.58 | 455 | 1482.95 | 539 | 1479.07 | 624 | 1476.37 |
| 38 | 1512.78 | 122 | 1496.68 | 206 | 1494.88 | 291 | 1491.11 | 375 | 1488.28 | 460 | 1482.63 | 544 | 1478.75 | 628 | 1476.02 |
| 42 | 1510.09 | 127 | 1496.07 | 211 | 1494.60 | 295 | 1491.17 | 380 | 1487.98 | 464 | 1482.29 | 549 | 1478.42 | 633 | 1476.11 |
| 47 | 1507.67 | 131 | 1496.13 | 216 | 1494.67 | 300 | 1490.88 | 385 | 1487.67 | 469 | 1481.97 | 553 | 1478.08 | 638 | 1476.20 |
| 52 | 1504.88 | 136 | 1495.86 | 220 | 1494.73 | 305 | 1490.96 | 389 | 1487.35 | 474 | 1481.65 | 558 | 1477.75 | 642 | 1475.85 |
| 56 | 1503.00 | 141 | 1495.93 | 225 | 1494.81 | 309 | 1491.02 | 394 | 1487.05 | 478 | 1481.72 | 563 | 1477.42 | 647 | 1475.94 |
| 61 | 1501.44 | 145 | 1496.00 | 230 | 1494.89 | 314 | 1490.72 | 399 | 1486.74 | 483 | 1481.39 | 567 | 1477.07 | 652 | 1475.18 |
| 66 | 1501.20 | 150 | 1495.72 | 234 | 1494.95 | 319 | 1490.80 | 403 | 1486.42 | 488 | 1481.47 | 572 | 1477.15 | 656 | 1474.83 |
| 70 | 1500.27 | 155 | 1495.45 | 239 | 1494.67 | 324 | 1490.88 | 408 | 1486.11 | 492 | 1481.53 | 577 | 1476.82 | 661 | 1474.07 |
| 75 | 1499.69 | 159 | 1495.52 | 244 | 1494.39 | 328 | 1490.57 | 413 | 1485.80 | 497 | 1481.21 | 581 | 1476.49 | 662 | 1474.09 |
| 80 | 1499.43 | 164 | 1495.25 | 249 | 1494.10 | 333 | 1490.64 | 417 | 1485.48 | 502 | 1481.29 | 586 | 1476.97 | | |

XBT 39 DAY 249 TIME 10.0 GROUP 3

| | | | | | | | | | | | | | | | | | | | |
|-----|---------|---------|---------|---------|---------|-----|---------|------|---------|---------|---------|------|---------|------|---------|---------|---|------|---------|
| Z | 0 | 1532.56 | 230 | 1493.82 | Z | 460 | 1486.53 | Z | 920 | 1479.92 | Z | 1150 | 1481.40 | Z | 1380 | 1483.25 | Z | 1610 | 1484.79 |
| 5 | 1532.68 | 235 | 1493.89 | 465 | 1486.61 | 695 | 1479.58 | 925 | 1479.59 | 1155 | 1481.49 | 1385 | 1483.34 | 1615 | 1484.87 | | | | |
| 10 | 1533.96 | 240 | 1493.61 | 470 | 1486.30 | 700 | 1479.77 | 930 | 1479.67 | 1160 | 1481.15 | 1390 | 1483.43 | 1620 | 1484.96 | | | | |
| 15 | 1533.90 | 245 | 1493.68 | 475 | 1485.99 | 705 | 1479.86 | 935 | 1479.76 | 1165 | 1481.24 | 1395 | 1483.51 | 1625 | 1485.04 | | | | |
| 20 | 1533.90 | 250 | 1493.76 | 480 | 1486.07 | 710 | 1479.54 | 940 | 1479.85 | 1170 | 1481.32 | 1400 | 1483.60 | 1630 | 1485.13 | | | | |
| 25 | 1526.90 | 255 | 1493.48 | 485 | 1485.76 | 715 | 1479.62 | 945 | 1479.94 | 1175 | 1481.41 | 1405 | 1483.69 | 1635 | 1485.21 | | | | |
| 30 | 1519.09 | 260 | 1493.55 | 490 | 1485.45 | 720 | 1479.71 | 950 | 1480.03 | 1180 | 1481.50 | 1410 | 1483.77 | 1640 | 1485.30 | | | | |
| 35 | 1513.63 | 265 | 1493.63 | 495 | 1485.53 | 725 | 1479.39 | 955 | 1479.69 | 1185 | 1481.59 | 1415 | 1483.86 | 1645 | 1485.39 | | | | |
| 40 | 1508.76 | 270 | 1493.34 | 500 | 1485.21 | 730 | 1479.48 | 960 | 1479.78 | 1190 | 1481.67 | 1420 | 1483.95 | 1650 | 1485.47 | | | | |
| 45 | 1506.06 | 275 | 1493.42 | 505 | 1484.90 | 735 | 1479.57 | 965 | 1479.87 | 1195 | 1481.76 | 1425 | 1484.03 | 1655 | 1485.56 | | | | |
| 50 | 1502.56 | 280 | 1493.50 | 510 | 1484.99 | 740 | 1479.24 | 970 | 1479.96 | 1200 | 1481.85 | 1430 | 1484.12 | 1660 | 1485.64 | | | | |
| 55 | 1501.34 | 285 | 1493.21 | 515 | 1484.68 | 745 | 1479.33 | 975 | 1480.05 | 1205 | 1481.93 | 1435 | 1484.21 | 1665 | 1485.73 | | | | |
| 60 | 1499.76 | 290 | 1493.29 | 520 | 1484.37 | 750 | 1479.42 | 980 | 1480.13 | 1210 | 1481.59 | 1440 | 1484.29 | 1670 | 1485.82 | | | | |
| 65 | 1498.50 | 295 | 1493.36 | 525 | 1484.05 | 755 | 1479.09 | 985 | 1480.22 | 1215 | 1481.68 | 1445 | 1484.38 | 1675 | 1485.90 | | | | |
| 70 | 1497.91 | 300 | 1493.08 | 530 | 1484.14 | 760 | 1479.18 | 990 | 1479.80 | 1220 | 1481.77 | 1450 | 1484.46 | 1680 | 1485.99 | | | | |
| 75 | 1497.65 | 305 | 1493.15 | 535 | 1483.82 | 765 | 1479.27 | 995 | 1479.98 | 1225 | 1481.85 | 1455 | 1484.55 | 1685 | 1486.07 | | | | |
| 80 | 1497.39 | 310 | 1493.23 | 540 | 1483.91 | 770 | 1478.95 | 1000 | 1480.06 | 1230 | 1481.94 | 1460 | 1484.64 | 1690 | 1486.16 | | | | |
| 85 | 1497.13 | 315 | 1492.94 | 545 | 1483.59 | 775 | 1479.03 | 1005 | 1480.15 | 1235 | 1482.03 | 1465 | 1484.72 | 1695 | 1486.25 | | | | |
| 90 | 1496.86 | 320 | 1492.65 | 550 | 1483.28 | 780 | 1479.12 | 1010 | 1480.24 | 1240 | 1482.11 | 1470 | 1484.81 | 1700 | 1486.34 | | | | |
| 95 | 1496.59 | 325 | 1492.36 | 555 | 1483.36 | 785 | 1478.90 | 1015 | 1480.33 | 1245 | 1482.20 | 1475 | 1484.90 | 1705 | 1486.43 | | | | |
| 100 | 1496.30 | 330 | 1492.44 | 560 | 1483.04 | 790 | 1478.99 | 1020 | 1479.99 | 1250 | 1482.29 | 1480 | 1484.98 | 1710 | 1486.52 | | | | |
| 105 | 1496.76 | 335 | 1492.15 | 565 | 1483.13 | 795 | 1478.97 | 1025 | 1480.08 | 1255 | 1482.38 | 1485 | 1485.07 | 1715 | 1486.61 | | | | |
| 110 | 1496.49 | 340 | 1491.85 | 570 | 1482.81 | 800 | 1479.06 | 1030 | 1480.16 | 1260 | 1482.47 | 1490 | 1485.16 | 1720 | 1486.70 | | | | |
| 115 | 1496.57 | 345 | 1491.93 | 575 | 1482.49 | 805 | 1479.15 | 1035 | 1480.25 | 1265 | 1482.56 | 1495 | 1485.25 | 1725 | 1486.79 | | | | |
| 120 | 1496.30 | 350 | 1491.64 | 580 | 1482.57 | 810 | 1478.82 | 1040 | 1480.34 | 1270 | 1482.65 | 1500 | 1485.34 | 1730 | 1486.88 | | | | |
| 125 | 1496.04 | 355 | 1491.34 | 585 | 1482.26 | 815 | 1478.91 | 1045 | 1480.42 | 1275 | 1482.74 | 1505 | 1485.43 | 1735 | 1486.97 | | | | |
| 130 | 1496.11 | 360 | 1491.42 | 590 | 1481.94 | 820 | 1479.00 | 1050 | 1480.51 | 1280 | 1482.83 | 1510 | 1485.52 | 1740 | 1487.06 | | | | |
| 135 | 1495.84 | 365 | 1491.12 | 595 | 1482.02 | 825 | 1479.09 | 1055 | 1480.60 | 1285 | 1482.92 | 1515 | 1485.61 | 1745 | 1487.15 | | | | |
| 140 | 1495.57 | 370 | 1490.83 | 600 | 1481.70 | 830 | 1479.17 | 1060 | 1480.68 | 1290 | 1483.01 | 1520 | 1485.70 | 1750 | 1487.24 | | | | |
| 145 | 1495.65 | 375 | 1490.53 | 605 | 1481.38 | 835 | 1479.26 | 1065 | 1480.77 | 1295 | 1483.10 | 1525 | 1485.79 | 1755 | 1487.33 | | | | |
| 150 | 1495.37 | 380 | 1490.61 | 610 | 1481.06 | 840 | 1479.35 | 1070 | 1480.86 | 1300 | 1483.19 | 1530 | 1485.88 | 1760 | 1487.42 | | | | |
| 155 | 1495.45 | 385 | 1490.31 | 615 | 1481.15 | 845 | 1479.44 | 1075 | 1480.95 | 1305 | 1483.28 | 1535 | 1485.97 | 1765 | 1487.51 | | | | |
| 160 | 1495.19 | 390 | 1490.01 | 620 | 1480.83 | 850 | 1479.53 | 1080 | 1481.04 | 1310 | 1483.37 | 1540 | 1486.06 | 1770 | 1487.60 | | | | |
| 165 | 1494.92 | 395 | 1489.71 | 625 | 1480.92 | 855 | 1479.62 | 1085 | 1481.13 | 1315 | 1483.46 | 1545 | 1486.15 | 1775 | 1487.69 | | | | |
| 170 | 1495.00 | 400 | 1489.41 | 630 | 1481.01 | 860 | 1479.71 | 1090 | 1481.22 | 1320 | 1483.55 | 1550 | 1486.24 | 1780 | 1487.78 | | | | |
| 175 | 1494.73 | 405 | 1489.11 | 635 | 1480.69 | 865 | 1479.80 | 1095 | 1481.31 | 1325 | 1483.64 | 1555 | 1486.33 | 1785 | 1487.87 | | | | |
| 180 | 1494.46 | 410 | 1488.81 | 640 | 1480.77 | 870 | 1479.89 | 1100 | 1481.40 | 1330 | 1483.73 | 1560 | 1486.42 | 1790 | 1487.96 | | | | |
| 185 | 1494.54 | 415 | 1488.51 | 645 | 1480.45 | 875 | 1479.98 | 1105 | 1481.49 | 1335 | 1483.82 | 1565 | 1486.51 | 1795 | 1488.05 | | | | |
| 190 | 1494.26 | 420 | 1488.20 | 650 | 1480.54 | 880 | 1479.63 | 1110 | 1481.58 | 1340 | 1483.91 | 1570 | 1486.60 | 1800 | 1488.14 | | | | |
| 195 | 1494.35 | 425 | 1488.29 | 655 | 1480.22 | 885 | 1479.72 | 1115 | 1481.67 | 1345 | 1484.00 | 1575 | 1486.69 | 1805 | 1488.23 | | | | |
| 200 | 1494.07 | 430 | 1487.98 | 660 | 1480.30 | 890 | 1479.39 | 1120 | 1481.76 | 1350 | 1484.09 | 1580 | 1486.78 | 1810 | 1488.32 | | | | |
| 205 | 1494.15 | 435 | 1487.68 | 665 | 1480.39 | 895 | 1479.48 | 1125 | 1481.85 | 1355 | 1484.18 | 1585 | 1486.87 | 1815 | 1488.41 | | | | |
| 210 | 1493.87 | 440 | 1487.38 | 670 | 1480.07 | 900 | 1479.57 | 1130 | 1481.94 | 1360 | 1484.27 | 1590 | 1486.96 | 1820 | 1488.50 | | | | |
| 215 | 1493.94 | 445 | 1487.45 | 675 | 1480.16 | 905 | 1479.66 | 1135 | 1482.03 | 1365 | 1484.36 | 1595 | 1487.05 | 1825 | 1488.59 | | | | |
| 220 | 1494.02 | 450 | 1487.15 | 680 | 1479.83 | 910 | 1479.74 | 1140 | 1482.12 | 1370 | 1484.45 | 1600 | 1487.14 | 1830 | 1488.68 | | | | |
| 225 | 1493.74 | 455 | 1486.84 | 685 | 1479.92 | 915 | 1479.83 | 1145 | 1482.21 | 1375 | 1484.54 | 1605 | 1487.23 | 1835 | 1488.77 | | | | |

XBT 40 DAY 249 TIME 16 0 GROUP 3

| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|---|---|---|---|
| 0 | 1533.31 | 94 | 1496.69 | 188 | 1494.29 | 281 | 1491.74 | 375 | 1487.18 | 469 | 1481.61 | 563 | 1477.85 | 656 | 1474.53 | | | | |
| 5 | 1533.63 | 98 | 1496.41 | 192 | 1494.35 | 286 | 1491.45 | 380 | 1487.54 | 474 | 1481.28 | 567 | 1477.91 | 661 | 1474.24 | | | | |
| 9 | 1533.94 | 103 | 1496.14 | 197 | 1494.43 | 291 | 1491.52 | 385 | 1487.94 | 478 | 1480.95 | 572 | 1477.58 | 666 | 1474.29 | | | | |
| 14 | 1534.02 | 108 | 1495.87 | 202 | 1494.51 | 295 | 1491.21 | 389 | 1486.63 | 483 | 1481.02 | 577 | 1477.25 | 671 | 1474.38 | | | | |
| 19 | 1533.86 | 113 | 1495.59 | 206 | 1494.57 | 300 | 1491.29 | 394 | 1486.32 | 488 | 1480.70 | 581 | 1477.32 | 675 | 1474.03 | | | | |
| 23 | 1527.65 | 117 | 1495.30 | 211 | 1494.29 | 305 | 1491.00 | 399 | 1486.01 | 492 | 1480.36 | 586 | 1476.99 | 680 | 1474.12 | | | | |
| 28 | 1521.82 | 122 | 1495.37 | 216 | 1494.37 | 309 | 1490.69 | 403 | 1485.69 | 497 | 1480.44 | 591 | 1477.07 | 685 | 1474.20 | | | | |
| 33 | 1517.06 | 127 | 1495.09 | 220 | 1494.07 | 314 | 1490.39 | 408 | 1485.77 | 502 | 1480.11 | 596 | 1477.15 | 689 | 1474.27 | | | | |
| 38 | 1510.86 | 131 | 1495.16 | 225 | 1493.79 | 319 | 1490.10 | 413 | 1485.46 | 506 | 1480.18 | 600 | 1476.80 | 694 | 1475.94 | | | | |
| 42 | 1508.42 | 136 | 1494.89 | 230 | 1493.67 | 324 | 1490.17 | 417 | 1485.13 | 511 | 1479.85 | 605 | 1476.89 | 699 | 1476.03 | | | | |
| 47 | 1505.26 | 141 | 1494.97 | 234 | 1493.57 | 328 | 1489.86 | 422 | 1484.82 | 516 | 1479.53 | 610 | 1476.98 | 703 | 1476.10 | | | | |
| 52 | 1504.71 | 145 | 1494.68 | 239 | 1493.28 | 333 | 1489.56 | 427 | 1484.51 | 520 | 1479.60 | 614 | 1476.63 | 708 | 1475.77 | | | | |
| 56 | 1502.49 | 150 | 1494.76 | 244 | 1493.36 | 338 | 1489.27 | 431 | 1484.18 | 525 | 1479.27 | 619 | 1476.72 | 713 | 1475.86 | | | | |
| 61 | 1500.58 | 155 | 1494.48 | 249 | 1493.08 | 342 | 1488.95 | 436 | 1483.86 | 530 | 1479.35 | 624 | 1476.81 | 715 | 1475.89 | | | | |
| 66 | 1499.31 | 159 | 1494.55 | 253 | 1492.77 | 347 | 1488.65 | 441 | 1483.55 | 535 | 1479.03 | 628 | 1476.46 | | | | | | |
| 70 | 1498.36 | 164 | 1494.27 | 258 | 1492.85 | 352 | 1488.73 | 445 | 1483.22 | 539 | 1478.69 | 633 | 1476.55 | | | | | | |
| 75 | 1497.75 | 169 | 1494.33 | 263 | 1492.56 | 356 | 1488.41 | 450 | 1482.94 | 544 | 1478.77 | 638 | 1476.43 | | | | | | |
| 80 | 1497.49 | 173 | 1494.41 | 267 | 1492.26 | 361 | 1488.11 | 455 | 1482.58 | 549 | 1478.44 | 642 | 1476.70 | | | | | | |
| 84 | 1497.22 | 178 | 1494.49 | 272 | 1491.97 | 366 | 1487.81 | 460 | 1482.26 | 553 | 1478.51 | 647 | 1476.37 | | | | | | |
| 89 | 1496.95 | 183 | 1494.57 | 277 | 1492.04 | 370 | 1487.49 | 464 | 1481.93 | 558 | 1478.18 | 652 | 1476.46 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|---|---|------|---------|
| 0 | 1335.70 | 230 | 1494.39 | Z | C | 690 | 1477.13 | Z | C | 920 | 1476.97 | Z | C | 1150 | 1478.84 | Z | C | 1380 | 1481.10 | Z | C | 1610 | 1483.75 |
| 5 | 1335.54 | 235 | 1494.66 | 465 | 1486.56 | 695 | 1477.22 | 925 | 1477.06 | 925 | 1477.06 | 1155 | 1478.93 | 1385 | 1481.19 | 1615 | 1483.84 | | | | | | |
| 10 | 1335.39 | 240 | 1494.38 | 470 | 1485.94 | 700 | 1477.30 | 930 | 1477.15 | 930 | 1477.15 | 1160 | 1479.02 | 1390 | 1481.27 | 1620 | 1483.92 | | | | | | |
| 15 | 1335.23 | 245 | 1494.17 | 475 | 1486.02 | 705 | 1477.39 | 935 | 1477.24 | 935 | 1477.24 | 1165 | 1479.10 | 1395 | 1481.36 | 1625 | 1484.01 | | | | | | |
| 20 | 1334.06 | 250 | 1494.17 | 480 | 1485.71 | 710 | 1477.06 | 940 | 1477.33 | 940 | 1477.33 | 1170 | 1479.19 | 1400 | 1481.44 | 1630 | 1484.09 | | | | | | |
| 25 | 1332.06 | 255 | 1494.32 | 485 | 1485.40 | 715 | 1477.15 | 945 | 1476.99 | 945 | 1476.99 | 1175 | 1479.28 | 1405 | 1481.53 | 1635 | 1484.18 | | | | | | |
| 30 | 1329.01 | 260 | 1494.24 | 490 | 1485.08 | 720 | 1477.24 | 950 | 1477.08 | 950 | 1477.08 | 1180 | 1479.36 | 1410 | 1481.62 | 1640 | 1484.27 | | | | | | |
| 35 | 1324.06 | 265 | 1494.39 | 495 | 1484.77 | 725 | 1477.33 | 955 | 1477.16 | 955 | 1477.16 | 1185 | 1479.45 | 1415 | 1481.71 | 1645 | 1484.36 | | | | | | |
| 40 | 1318.04 | 270 | 1494.11 | 500 | 1484.46 | 730 | 1477.42 | 960 | 1477.25 | 960 | 1477.25 | 1190 | 1479.10 | 1420 | 1481.80 | 1650 | 1484.45 | | | | | | |
| 45 | 1314.53 | 275 | 1494.19 | 505 | 1484.14 | 735 | 1477.09 | 965 | 1476.91 | 965 | 1476.91 | 1195 | 1479.19 | 1425 | 1481.89 | 1655 | 1484.54 | | | | | | |
| 50 | 1313.39 | 280 | 1494.26 | 510 | 1484.23 | 740 | 1477.18 | 970 | 1477.00 | 970 | 1477.00 | 1200 | 1479.28 | 1430 | 1481.98 | 1660 | 1484.63 | | | | | | |
| 55 | 1311.35 | 285 | 1494.33 | 515 | 1483.91 | 745 | 1477.27 | 975 | 1477.09 | 975 | 1477.09 | 1205 | 1479.36 | 1435 | 1482.07 | 1665 | 1484.72 | | | | | | |
| 60 | 1309.27 | 290 | 1494.41 | 520 | 1483.60 | 750 | 1477.36 | 980 | 1477.18 | 980 | 1477.18 | 1210 | 1479.45 | 1440 | 1482.16 | 1670 | 1484.81 | | | | | | |
| 65 | 1307.15 | 295 | 1494.48 | 525 | 1483.29 | 755 | 1477.45 | 985 | 1477.26 | 985 | 1477.26 | 1215 | 1479.54 | 1445 | 1482.25 | 1675 | 1484.90 | | | | | | |
| 70 | 1304.66 | 300 | 1494.20 | 530 | 1482.97 | 760 | 1477.12 | 990 | 1477.35 | 990 | 1477.35 | 1220 | 1479.63 | 1450 | 1482.34 | 1680 | 1484.99 | | | | | | |
| 75 | 1303.11 | 305 | 1494.28 | 535 | 1482.65 | 765 | 1477.21 | 995 | 1477.44 | 995 | 1477.44 | 1225 | 1479.72 | 1455 | 1482.43 | 1685 | 1485.08 | | | | | | |
| 80 | 1301.04 | 310 | 1494.35 | 540 | 1482.34 | 770 | 1477.30 | 1000 | 1477.53 | 1000 | 1477.53 | 1230 | 1479.80 | 1460 | 1482.52 | 1690 | 1485.17 | | | | | | |
| 85 | 1300.09 | 315 | 1494.43 | 545 | 1482.02 | 775 | 1477.38 | 1005 | 1477.62 | 1005 | 1477.62 | 1235 | 1479.89 | 1465 | 1482.61 | 1695 | 1485.26 | | | | | | |
| 90 | 1299.02 | 320 | 1494.14 | 550 | 1481.70 | 780 | 1477.47 | 1010 | 1477.71 | 1010 | 1477.71 | 1240 | 1479.98 | 1470 | 1482.70 | 1700 | 1485.35 | | | | | | |
| 95 | 1299.11 | 325 | 1493.05 | 555 | 1481.38 | 785 | 1477.14 | 1015 | 1477.36 | 1015 | 1477.36 | 1245 | 1479.63 | 1475 | 1482.79 | 1705 | 1485.44 | | | | | | |
| 100 | 1298.55 | 330 | | | | | | | | | | | | | | | | | | | | | |

| XBT 42 DAY 250 TIME 2 0 GROUP 3 | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | | | | | | | | | | |
|---------------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 0 | 1536.40 | 61 | 1506.13 | 122 | 1500.66 | 183 | 1500.13 | 244 | 1498.64 | 305 | 1497.13 | 366 | 1493.75 | 427 | 1490.62 | 0 | 1536.40 | 61 | 1506.13 | 122 | 1500.66 | 183 | 1500.13 | 244 | 1498.64 | 305 | 1497.13 | 366 | 1493.75 | 427 | 1490.62 |
| 5 | 1536.25 | 66 | 1504.93 | 127 | 1500.59 | 188 | 1499.86 | 249 | 1498.74 | 309 | 1496.83 | 370 | 1493.44 | 431 | 1490.30 | 5 | 1536.25 | 66 | 1504.93 | 127 | 1500.59 | 188 | 1499.86 | 249 | 1498.74 | 309 | 1496.83 | 370 | 1493.44 | 431 | 1490.30 |
| 9 | 1536.08 | 70 | 1504.36 | 131 | 1500.32 | 192 | 1499.93 | 253 | 1498.45 | 314 | 1496.56 | 375 | 1493.15 | 436 | 1490.00 | 9 | 1536.08 | 70 | 1504.36 | 131 | 1500.32 | 192 | 1499.93 | 253 | 1498.45 | 314 | 1496.56 | 375 | 1493.15 | 436 | 1490.00 |
| 14 | 1535.93 | 75 | 1504.09 | 136 | 1500.40 | 197 | 1499.32 | 258 | 1498.52 | 319 | 1496.28 | 380 | 1492.86 | 441 | 1490.08 | 14 | 1535.93 | 75 | 1504.09 | 136 | 1500.40 | 197 | 1499.32 | 258 | 1498.52 | 319 | 1496.28 | 380 | 1492.86 | 441 | 1490.08 |
| 19 | 1535.65 | 80 | 1503.85 | 141 | 1500.14 | 202 | 1499.06 | 263 | 1498.60 | 324 | 1496.00 | 385 | 1492.57 | 445 | 1489.77 | 19 | 1535.65 | 80 | 1503.85 | 141 | 1500.14 | 202 | 1499.06 | 263 | 1498.60 | 324 | 1496.00 | 385 | 1492.57 | 445 | 1489.77 |
| 23 | 1525.87 | 84 | 1503.26 | 145 | 1500.21 | 206 | 1499.12 | 267 | 1498.71 | 328 | 1496.06 | 389 | 1492.26 | 450 | 1489.84 | 23 | 1525.87 | 84 | 1503.26 | 145 | 1500.21 | 206 | 1499.12 | 267 | 1498.71 | 328 | 1496.06 | 389 | 1492.26 | 450 | 1489.84 |
| 28 | 1525.09 | 89 | 1503.01 | 150 | 1500.29 | 211 | 1498.85 | 272 | 1498.39 | 333 | 1495.77 | 394 | 1491.97 | 455 | 1489.54 | 28 | 1525.09 | 89 | 1503.01 | 150 | 1500.29 | 211 | 1498.85 | 272 | 1498.39 | 333 | 1495.77 | 394 | 1491.97 | 455 | 1489.54 |
| 33 | 1515.78 | 94 | 1502.44 | 155 | 1500.36 | 216 | 1498.92 | 277 | 1498.11 | 338 | 1495.49 | 399 | 1492.05 | 460 | 1489.62 | 33 | 1515.78 | 94 | 1502.44 | 155 | 1500.36 | 216 | 1498.92 | 277 | 1498.11 | 338 | 1495.49 | 399 | 1492.05 | 460 | 1489.62 |
| 38 | 1515.82 | 98 | 1502.17 | 159 | 1500.09 | 220 | 1498.99 | 281 | 1498.17 | 342 | 1495.19 | 403 | 1491.74 | 464 | 1489.30 | 38 | 1515.82 | 98 | 1502.17 | 159 | 1500.09 | 220 | 1498.99 | 281 | 1498.17 | 342 | 1495.19 | 403 | 1491.74 | 464 | 1489.30 |
| 42 | 1515.72 | 103 | 1501.92 | 164 | 1500.17 | 225 | 1498.72 | 286 | 1497.90 | 347 | 1494.91 | 408 | 1491.44 | | | 42 | 1515.72 | 103 | 1501.92 | 164 | 1500.17 | 225 | 1498.72 | 286 | 1497.90 | 347 | 1494.91 | 408 | 1491.44 | | |
| 47 | 1516.33 | 108 | 1501.66 | 169 | 1500.25 | 230 | 1498.79 | 291 | 1497.82 | 352 | 1494.62 | 413 | 1491.15 | | | 47 | 1516.33 | 108 | 1501.66 | 169 | 1500.25 | 230 | 1498.79 | 291 | 1497.82 | 352 | 1494.62 | 413 | 1491.15 | | |
| 52 | 1506.63 | 113 | 1501.40 | 173 | 1499.97 | 234 | 1498.85 | 295 | 1497.33 | 356 | 1494.32 | 417 | 1490.84 | | | 52 | 1506.63 | 113 | 1501.40 | 173 | 1499.97 | 234 | 1498.85 | 295 | 1497.33 | 356 | 1494.32 | 417 | 1490.84 | | |
| 56 | 1507.01 | 117 | 1501.12 | 178 | 1500.05 | 239 | 1498.58 | 300 | 1497.05 | 361 | 1494.04 | 422 | 1490.91 | | | 56 | 1507.01 | 117 | 1501.12 | 178 | 1500.05 | 239 | 1498.58 | 300 | 1497.05 | 361 | 1494.04 | 422 | 1490.91 | | |

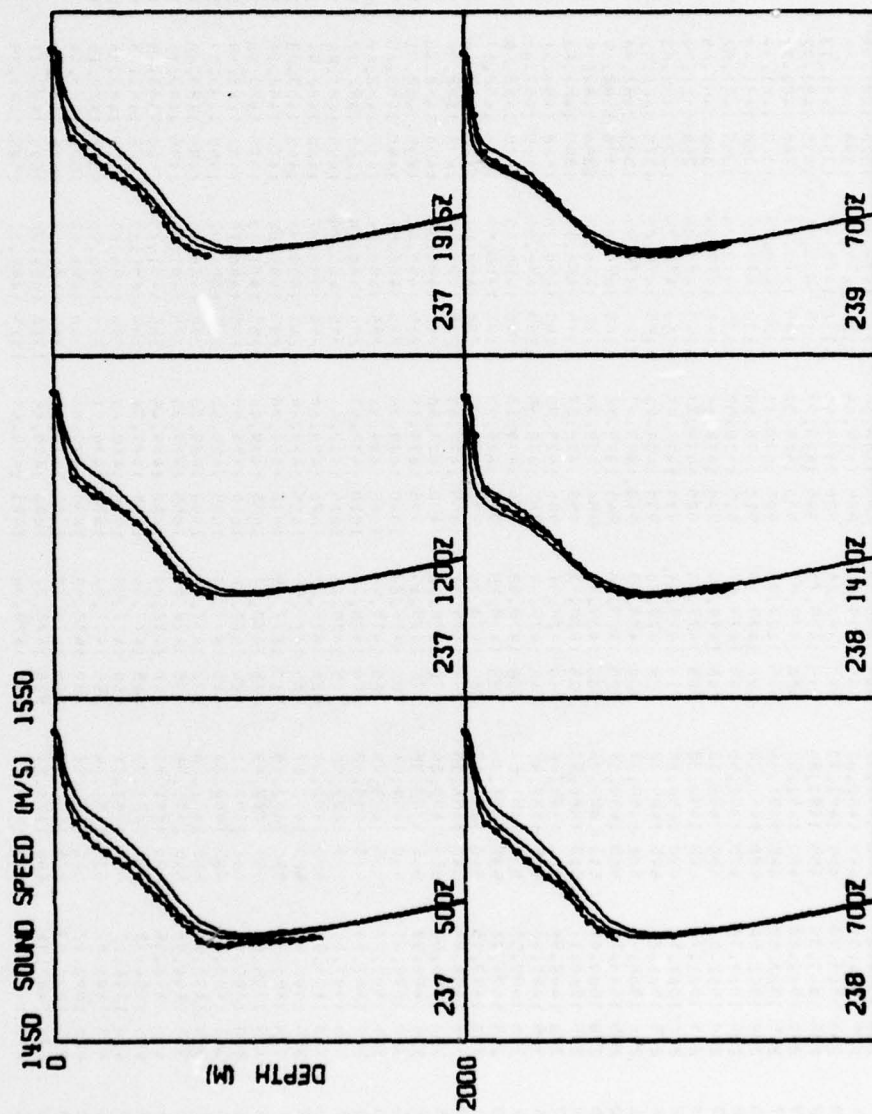
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|---|---------|---|---|-----|---------|---|---|-----|---------|---|---|-----|---------|---|---|------|---------|---|---|------|---------|---|---|------|---------|---|---|------|---------|
| Z | 0 | C | 1536.43 | Z | C | 230 | 1500.51 | Z | C | 460 | 1491.12 | Z | C | 690 | 1480.44 | Z | C | 920 | 1479.10 | Z | C | 1150 | 1450.13 | Z | C | 1380 | 1442.40 | Z | C | 1610 | 1444.62 |
| | 5 | | 1536.48 | | | 235 | 1500.24 | | | 465 | 1490.83 | | | 695 | 1480.53 | | | 925 | 1479.10 | | | 1155 | 1450.22 | | | 1385 | 1442.49 | | | 1615 | 1444.77 |
| | 10 | | 1536.56 | | | 240 | 1500.32 | | | 470 | 1490.53 | | | 700 | 1480.21 | | | 930 | 1478.05 | | | 1160 | 1450.31 | | | 1390 | 1442.14 | | | 1620 | 1444.79 |
| | 15 | | 1536.61 | | | 245 | 1500.45 | | | 475 | 1490.23 | | | 705 | 1480.29 | | | 935 | 1478.04 | | | 1165 | 1450.39 | | | 1395 | 1442.23 | | | 1625 | 1444.88 |
| | 20 | | 1536.26 | | | 250 | 1500.13 | | | 480 | 1489.53 | | | 710 | 1479.57 | | | 940 | 1479.03 | | | 1170 | 1450.48 | | | 1400 | 1432.31 | | | 1630 | 1444.97 |
| | 25 | | 1535.13 | | | 255 | 1499.86 | | | 485 | 1489.24 | | | 715 | 1479.55 | | | 945 | 1479.12 | | | 1175 | 1450.57 | | | 1405 | 1432.40 | | | 1635 | 1444.98 |
| | 30 | | 1531.53 | | | 260 | 1499.94 | | | 490 | 1488.94 | | | 720 | 1479.74 | | | 950 | 1479.21 | | | 1180 | 1450.65 | | | 1410 | 1432.49 | | | 1640 | 1445.14 |
| | 35 | | 1526.19 | | | 265 | 1499.67 | | | 495 | 1488.64 | | | 725 | 1479.91 | | | 955 | 1479.29 | | | 1185 | 1450.74 | | | 1415 | 1432.57 | | | 1645 | 1445.22 |
| | 40 | | 1520.26 | | | 270 | 1499.40 | | | 500 | 1488.33 | | | 730 | 1479.56 | | | 960 | 1479.38 | | | 1190 | 1450.83 | | | 1420 | 1432.66 | | | 1650 | 1445.30 |
| | 45 | | 1516.88 | | | 275 | 1499.47 | | | 505 | 1488.03 | | | 735 | 1479.58 | | | 965 | 1479.05 | | | 1195 | 1450.91 | | | 1425 | 1432.74 | | | 1655 | 1445.36 |
| | 50 | | 1515.17 | | | 280 | 1499.20 | | | 510 | 1487.73 | | | 740 | 1479.97 | | | 970 | 1479.13 | | | 1200 | 1451.00 | | | 1430 | 1432.83 | | | 1660 | 1445.43 |
| | 55 | | 1513.46 | | | 285 | 1498.93 | | | 515 | 1487.42 | | | 745 | 1478.94 | | | 975 | 1479.22 | | | 1205 | 1450.64 | | | 1435 | 1432.92 | | | 1665 | 1445.51 |
| | 60 | | 1511.42 | | | 290 | 1499.00 | | | 520 | 1487.12 | | | 750 | 1479.93 | | | 980 | 1479.31 | | | 1210 | 1450.75 | | | 1440 | 1433.00 | | | 1670 | 1445.59 |
| | 65 | | 1509.46 | | | 295 | 1498.73 | | | 525 | 1486.81 | | | 755 | 1478.70 | | | 985 | 1479.40 | | | 1215 | 1450.83 | | | 1445 | 1432.66 | | | 1675 | 1445.39 |
| | 70 | | 1508.80 | | | 300 | 1498.46 | | | 530 | 1486.51 | | | 760 | 1478.79 | | | 990 | 1479.06 | | | 1220 | 1450.92 | | | 1450 | 1432.74 | | | 1680 | 1445.30 |
| | 75 | | 1507.94 | | | 305 | 1498.53 | | | 535 | 1486.20 | | | 765 | 1478.68 | | | 995 | 1479.15 | | | 1225 | 1451.01 | | | 1455 | 1432.83 | | | 1685 | 1445.48 |
| | 80 | | 1507.07 | | | 310 | 1498.26 | | | 540 | 1485.89 | | | 770 | 1478.55 | | | 1000 | 1479.24 | | | 1230 | 1451.09 | | | 1460 | 1432.91 | | | 1690 | 1445.56 |
| | 85 | | 1506.19 | | | 315 | 1498.33 | | | 545 | 1485.58 | | | 775 | 1478.94 | | | 1005 | 1479.33 | | | 1235 | 1451.18 | | | 1465 | 1433.00 | | | 1695 | 1445.65 |
| | 90 | | 1505.63 | | | 320 | 1498.06 | | | 550 | 1485.66 | | | 780 | 1478.73 | | | 1010 | 1479.41 | | | 1240 | 1451.27 | | | 1470 | 1433.09 | | | 1700 | 1445.73 |
| | 95 | | 1504.75 | | | 325 | 1497.78 | | | 555 | 1485.35 | | | 785 | 1478.92 | | | 1015 | 1479.50 | | | 1245 | 1451.36 | | | 1475 | 1433.17 | | | 1705 | 1445.82 |
| | 100 | | 1504.10 | | | 330 | 1497.66 | | | 560 | 1485.04 | | | 790 | 1478.49 | | | 1020 | 1479.59 | | | 1250 | 1451.44 | | | 1480 | 1433.26 | | | 1710 | 1445.91 |
| | 105 | | 1503.60 | | | 335 | 1497.58 | | | 565 | 1484.73 | | | 795 | 1478.58 | | | 1025 | 1479.65 | | | 1255 | 1451.51 | | | 1485 | 1433.35 | | | 1715 | 1445.99 |
| | 110 | | 1503.34 | | | 340 | 1497.30 | | | 570 | 1484.61 | | | 800 | 1478.67 | | | 1030 | 1479.73 | | | 1260 | 1451.59 | | | 1490 | 1433.43 | | | 1720 | 1446.08 |
| | 115 | | 1503.08 | | | 345 | 1497.02 | | | 575 | 1484.50 | | | 805 | 1478.76 | | | 1035 | 1479.81 | | | 1265 | 1451.68 | | | 1495 | 1433.52 | | | 1725 | 1446.16 |
| | 120 | | 1502.83 | | | 350 | 1496.74 | | | 580 | 1484.18 | | | 810 | 1478.43 | | | 1040 | 1479.89 | | | 1270 | 1451.76 | | | 1500 | 1433.61 | | | 1730 | 1446.25 |
| | 125 | | 1502.23 | | | 355 | 1496.82 | | | 585 | 1484.26 | | | 815 | 1478.51 | | | 1045 | 1479.60 | | | 1275 | 1451.85 | | | 1505 | 1433.70 | | | 1735 | 1446.34 |
| | 130 | | 1502.31 | | | 360 | 1496.56 | | | 590 | 1483.95 | | | 820 | 1478.69 | | | 1050 | 1479.68 | | | 1280 | 1451.94 | | | 1510 | 1433.79 | | | 1740 | 1446.42 |
| | 135 | | 1502.06 | | | 365 | 1496.26 | | | 595 | 1483.63 | | | 825 | 1478.59 | | | 1055 | 1479.77 | | | 1285 | 1452.02 | | | 1515 | 1433.83 | | | 1745 | 1446.51 |
| | 140 | | 1501.81 | | | 370 | 1495.97 | | | 600 | 1483.71 | | | 830 | 1478.78 | | | 1060 | 1479.43 | | | 1290 | 1452.11 | | | 1520 | 1433.91 | | | 1750 | 1446.60 |
| | 145 | | 1501.89 | | | 375 | 1495.69 | | | 605 | 1483.40 | | | 835 | 1478.45 | | | 1065 | 1479.52 | | | 1295 | 1452.20 | | | 1525 | 1434.00 | | | 1755 | 1446.68 |
| | 150 | | 1501.63 | | | 380 | 1495.77 | | | 610 | 1483.09 | | | 840 | 1478.53 | | | 1070 | 1479.60 | | | 1300 | 1452.29 | | | 1530 | 1434.08 | | | 1760 | 1446.77 |
| | 155 | | 1501.71 | | | 385 | 1495.48 | | | 615 | 1483.18 | | | 845 | 1478.62 | | | 1075 | 1479.69 | | | 1305 | 1452.38 | | | 1535 | 1434.17 | | | 1765 | 1446.85 |
| | 160 | | 1501.45 | | | 390 | 1495.20 | | | 620 | 1482.86 | | | 850 | 1478.71 | | | 1080 | 1479.74 | | | 1310 | 1452.47 | | | 1540 | 1434.26 | | | 1770 | 1446.94 |
| | 165 | | 1501.53 | | | 395 | 1494.91 | | | 625 | 1482.55 | | | 855 | 1478.80 | | | 1085 | 1479.87 | | | 1315 | 1452.56 | | | 1545 | 1434.35 | | | 1775 | 1446.59 |
| | 170 | | 1501.61 | | | 400 | 1494.62 | | | 630 | 1482.23 | | | 860 | 1478.93 | | | 1090 | 1479.95 | | | 1320 | 1452.65 | | | 1550 | 1434.44 | | | 1780 | 1446.67 |
| | 175 | | 1501.35 | | | 405 | 1494.34 | | | 635 | 1482.32 | | | 865 | 1478.55 | | | 1095 | 1479.61 | | | 1325 | 1452.74 | | | 1555 | 1434.53 | | | 1785 | 1446.76 |
| | 180 | | 1501.43 | | | 410 | 1494.05 | | | 640 | 1482.01 | | | 870 | 1478.64 | | | 1100 | 1479.70 | | | 1330 | 1452.83 | | | 1560 | 1434.62 | | | 1790 | 1446.84 |
| | 185 | | 1501.17 | | | 415 | 1493.76 | | | 645 | 1481.69 | | | 875 | 1478.73 | | | 1105 | 1479.79 | | | 1335 | 1452.92 | | | 1565 | 1434.71 | | | 1795 | 1446.93 |
| | 190 | | 1501.25 | | | 420 | 1493.47 | | | 650 | 1481.78 | | | 880 | 1478.82 | | | 1110 | 1479.86 | | | 1340 | 1453.01 | | | 1570 | 1434.80 | | | 1800 | 1447.02 |
| | 195 | | 1500.99 | | | 425 | 1493.18 | | | 655 | 1481.46 | | | 885 | 1478.91 | | | 1115 | 1479.96 | | | 1345 | 1453.10 | | | 1575 | 1434.89 | | | 1805 | 1447.10 |
| | 200 | | 1501.07 | | | 430 | 1492.89 | | | 660 | 1481.55 | | | 890 | 1478.99 | | | 1120 | 1480.04 | | | 1350 | 1453.19 | | | 1580 | 1434.98 | | | 1810 | 1447.19 |
| | 205 | | 1500.81 | | | 435 | 1492.60 | | | 665 | 1481.23 | | | 895 | 1478.66 | | | 1125 | 1480.13 | | | 1355 | 1453.28 | | | 1585 | 1435.07 | | | 1815 | 1447.27 |
| | 210 | | 1500.89 | | | 440 | 1492.31 | | | 670 | 1480.91 | | | 900 | 1478.75 | | | 1130 | 1480.22 | | | 1360 | 1453.37 | | | 1590 | 1435.16 | | | 1820 | 1447.36 |
| | 215 | | 1500.62 | | | 445 | 1492.01 | | | 675 | 1481.00 | | | 905 | 1478.84 | | | 1135 | 1480.30 | | | 1365 | 1453.46 | | | 1595 | 1435.25 | | | 1825 | 1447.45 |
| | 220 | | 1500.70 | | | 450 | 1491.72 | | | 680 | 1480.67 | | | 910 | 1478.92 | | | 1140 | 1479.96 | | | 1370 | 1453.55 | | | 1600 | 1435.34 | | | 1830 | 1447.53 |
| | 225 | | 1500.43 | | | 455 | 1491.42 | | | 685 | 1480.76 | | | 915 | 1479.01 | | | 1145 | 1480.05 | | | 1375 | 1453.64 | | | 1605 | 1435.43 | | | 1835 | 1447.62 |

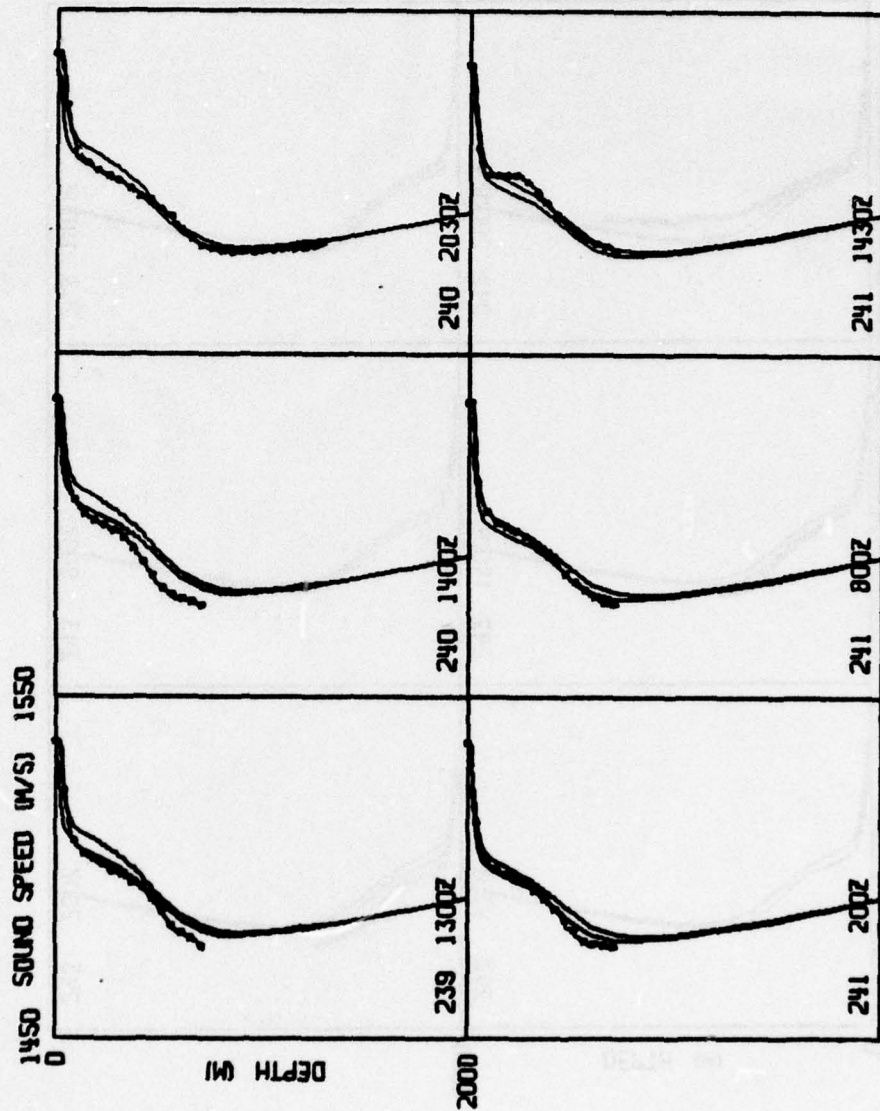
144

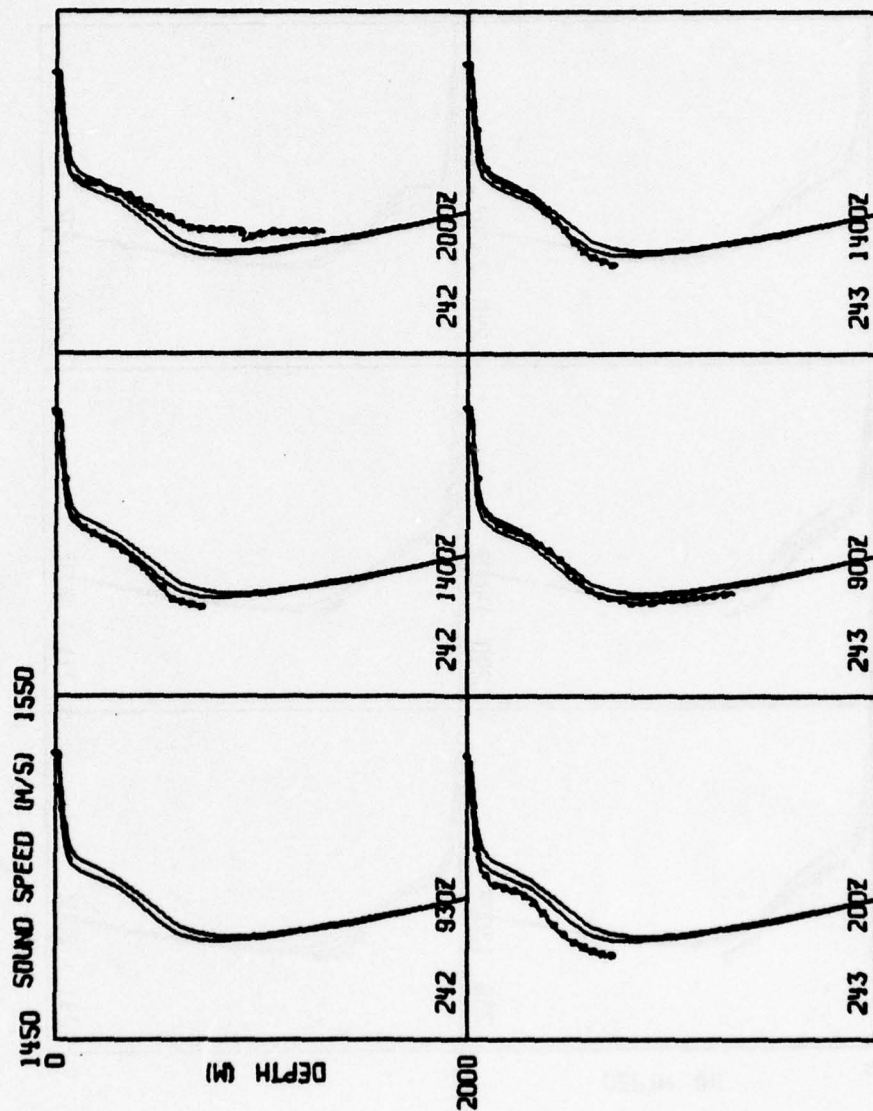
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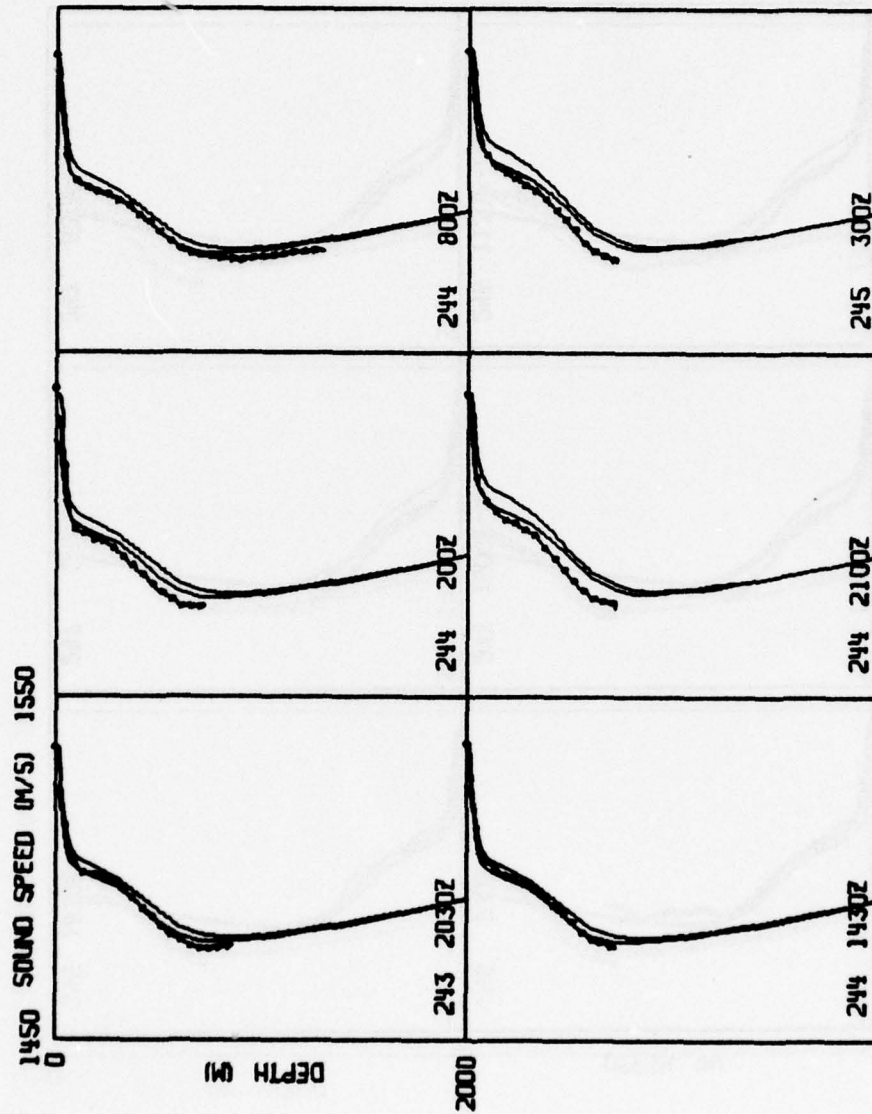
| XBT 46 DAY 251 TIME 4 0 GROUP 2 | | Z | | C | | Z | | C | | Z | | C | | Z | | C | | Z | | C | |
|---------------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|---|--|---|--|---|--|
| 0 | 1538.58 | 94 | 1508.40 | 188 | 1500.26 | 281 | 1497.52 | 375 | 1492.82 | 469 | 1485.16 | 543 | 1480.70 | 656 | 1477.34 | | | | | | |
| 5 | 1538.46 | 98 | 1507.51 | 192 | 1500.32 | 286 | 1497.60 | 380 | 1492.53 | 474 | 1484.45 | 547 | 1480.77 | 661 | 1477.43 | | | | | | |
| 9 | 1538.32 | 103 | 1506.62 | 197 | 1500.06 | 291 | 1497.67 | 385 | 1492.23 | 478 | 1484.12 | 552 | 1480.44 | 666 | 1477.51 | | | | | | |
| 14 | 1537.94 | 108 | 1505.72 | 202 | 1499.79 | 295 | 1497.38 | 389 | 1491.55 | 483 | 1483.80 | 577 | 1480.12 | 671 | 1477.19 | | | | | | |
| 19 | 1537.79 | 113 | 1505.14 | 206 | 1499.85 | 300 | 1497.45 | 394 | 1491.24 | 488 | 1483.88 | 581 | 1480.18 | 675 | 1477.25 | | | | | | |
| 23 | 1537.58 | 117 | 1504.54 | 211 | 1499.59 | 305 | 1497.18 | 399 | 1490.96 | 492 | 1483.55 | 586 | 1479.86 | 680 | 1477.34 | | | | | | |
| 28 | 1535.71 | 122 | 1503.96 | 216 | 1499.66 | 309 | 1497.24 | 403 | 1490.64 | 497 | 1483.62 | 591 | 1479.53 | 685 | 1477.00 | | | | | | |
| 33 | 1533.58 | 127 | 1503.70 | 220 | 1499.38 | 314 | 1496.96 | 408 | 1490.35 | 502 | 1483.30 | 596 | 1479.61 | 689 | 1477.07 | | | | | | |
| 38 | 1528.34 | 131 | 1503.43 | 225 | 1499.11 | 319 | 1496.68 | 413 | 1490.05 | 506 | 1482.97 | 600 | 1479.27 | 694 | 1477.16 | | | | | | |
| 42 | 1523.33 | 136 | 1503.17 | 230 | 1499.19 | 324 | 1496.40 | 417 | 1489.36 | 511 | 1483.05 | 605 | 1478.95 | 699 | 1476.83 | | | | | | |
| 47 | 1521.43 | 141 | 1502.91 | 234 | 1498.90 | 328 | 1496.10 | 422 | 1489.05 | 516 | 1482.74 | 610 | 1479.03 | 703 | 1476.90 | | | | | | |
| 52 | 1519.51 | 145 | 1502.30 | 239 | 1498.63 | 333 | 1495.82 | 427 | 1488.75 | 520 | 1482.41 | 614 | 1478.69 | 708 | 1476.57 | | | | | | |
| 56 | 1517.85 | 150 | 1502.04 | 244 | 1498.71 | 338 | 1495.53 | 431 | 1488.43 | 525 | 1482.49 | 619 | 1478.36 | 713 | 1476.66 | | | | | | |
| 61 | 1516.17 | 155 | 1501.78 | 249 | 1498.44 | 342 | 1495.23 | 436 | 1487.75 | 530 | 1482.17 | 624 | 1478.45 | 715 | 1476.69 | | | | | | |
| 66 | 1514.46 | 159 | 1501.51 | 253 | 1498.15 | 347 | 1494.95 | 441 | 1487.44 | 535 | 1481.85 | 628 | 1478.11 | | | | | | | | |
| 70 | 1513.62 | 164 | 1500.91 | 258 | 1498.23 | 352 | 1494.30 | 445 | 1487.12 | 539 | 1481.92 | 633 | 1477.78 | | | | | | | | |
| 75 | 1512.47 | 169 | 1500.99 | 263 | 1497.95 | 356 | 1494.00 | 450 | 1486.81 | 544 | 1481.60 | 638 | 1477.86 | | | | | | | | |
| 80 | 1511.32 | 173 | 1500.71 | 267 | 1497.66 | 361 | 1493.71 | 455 | 1486.11 | 549 | 1481.28 | 642 | 1477.52 | | | | | | | | |
| 84 | 1510.14 | 178 | 1500.45 | 272 | 1497.74 | 366 | 1493.42 | 460 | 1485.40 | 553 | 1481.34 | 647 | 1477.60 | | | | | | | | |
| 89 | 1509.27 | 183 | 1500.52 | 277 | 1497.81 | 370 | 1493.11 | 464 | 1485.47 | 558 | 1481.02 | 652 | 1477.69 | | | | | | | | |

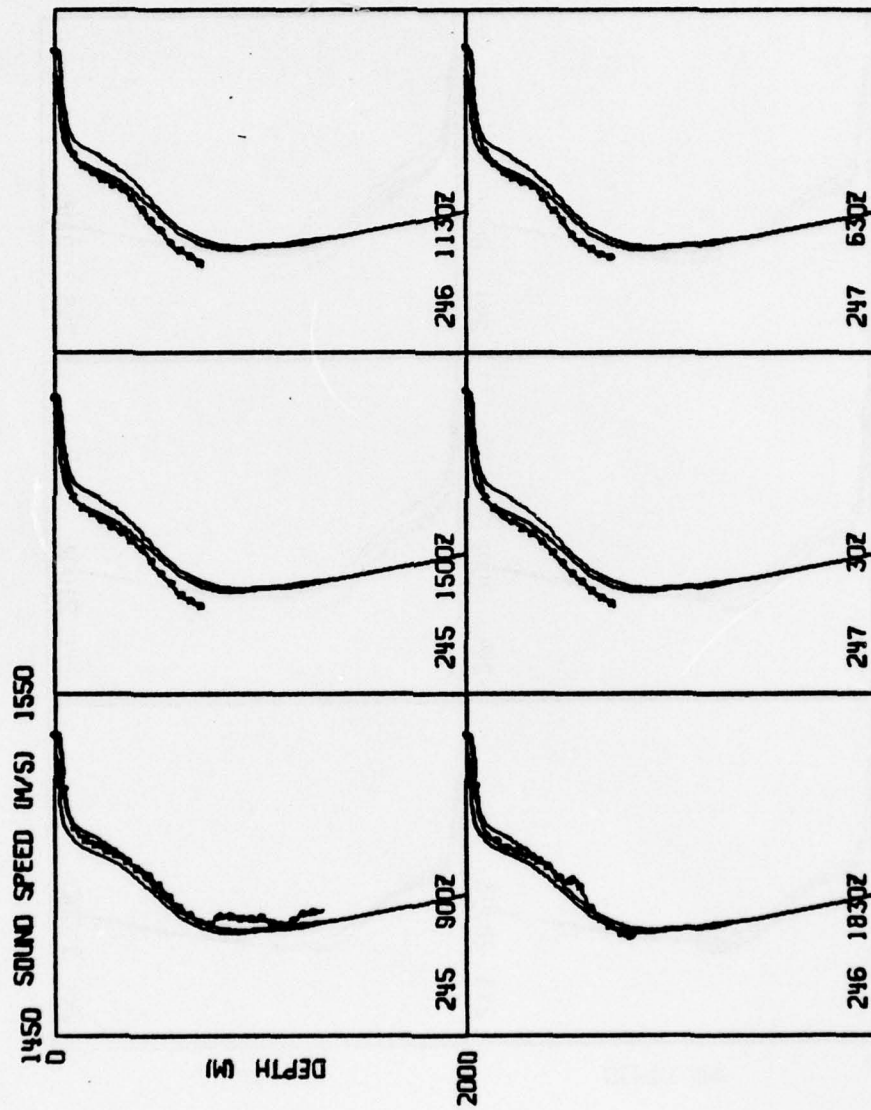
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|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|------|---------|------|---------|
| Z | C | Z | C | Z | C | Z | C | Z | C | Z | C | Z | C |
| 0 | 1336.03 | 220 | 1504.77 | 440 | 1492.32 | 660 | 1480.30 | 880 | 1474.39 | 1100 | 1470.72 | 1320 | 1461.19 |
| 5 | 1536.91 | 225 | 1504.51 | 445 | 1492.02 | 665 | 1479.97 | 885 | 1474.05 | 1105 | 1470.38 | 1325 | 1461.45 |
| 10 | 1538.80 | 230 | 1503.93 | 450 | 1491.73 | 670 | 1480.04 | 890 | 1478.14 | 1110 | 1470.47 | 1330 | 1461.13 |
| 15 | 1536.42 | 235 | 1503.34 | 455 | 1491.80 | 675 | 1479.73 | 895 | 1478.23 | 1115 | 1470.55 | 1335 | 1461.22 |
| 20 | 1536.49 | 240 | 1503.08 | 460 | 1491.51 | 680 | 1479.42 | 900 | 1478.32 | 1120 | 1470.64 | 1340 | 1461.31 |
| 25 | 1536.27 | 245 | 1502.82 | 465 | 1491.58 | 685 | 1479.91 | 905 | 1478.41 | 1125 | 1470.73 | 1345 | 1461.39 |
| 30 | 1538.05 | 250 | 1502.56 | 470 | 1491.28 | 690 | 1479.58 | 910 | 1478.50 | 1130 | 1470.82 | 1350 | 1461.48 |
| 35 | 1537.16 | 255 | 1502.30 | 475 | 1490.98 | 695 | 1479.67 | 915 | 1478.59 | 1135 | 1470.90 | 1355 | 1461.57 |
| 40 | 1536.49 | 260 | 1502.03 | 480 | 1490.68 | 700 | 1479.34 | 920 | 1478.68 | 1140 | 1470.99 | 1360 | 1461.65 |
| 45 | 1533.90 | 265 | 1501.77 | 485 | 1490.38 | 705 | 1479.43 | 925 | 1478.77 | 1145 | 1480.08 | 1365 | 1461.74 |
| 50 | 1530.72 | 270 | 1501.50 | 490 | 1490.08 | 710 | 1479.11 | 930 | 1478.85 | 1150 | 1479.74 | 1370 | 1461.83 |
| 55 | 1532.66 | 275 | 1501.24 | 495 | 1489.78 | 715 | 1479.20 | 935 | 1478.94 | 1155 | 1479.82 | 1375 | 1461.91 |
| 60 | 1522.41 | 280 | 1500.97 | 500 | 1489.47 | 720 | 1478.87 | 940 | 1478.61 | 1160 | 1479.91 | 1380 | 1462.00 |
| 65 | 1520.80 | 285 | 1500.70 | 505 | 1489.17 | 725 | 1478.94 | 945 | 1478.70 | 1165 | 1480.00 | 1385 | 1462.08 |
| 70 | 1519.46 | 290 | 1500.43 | 510 | 1488.92 | 730 | 1479.05 | 950 | 1478.79 | 1170 | 1480.08 | 1390 | 1462.16 |
| 75 | 1518.66 | 295 | 1500.17 | 515 | 1488.96 | 735 | 1478.72 | 955 | 1478.87 | 1175 | 1481.17 | 1395 | 1461.83 |
| 80 | 1517.87 | 300 | 1499.90 | 520 | 1488.66 | 740 | 1478.41 | 960 | 1478.94 | 1180 | 1480.26 | 1400 | 1461.91 |
| 85 | 1517.36 | 305 | 1499.62 | 525 | 1487.97 | 745 | 1478.49 | 965 | 1479.05 | 1185 | 1480.35 | 1405 | 1462.00 |
| 90 | 1516.55 | 310 | 1499.35 | 530 | 1487.67 | 750 | 1478.58 | 970 | 1479.14 | 1190 | 1480.43 | 1410 | 1462.09 |
| 95 | 1516.03 | 315 | 1499.08 | 535 | 1487.36 | 755 | 1478.25 | 975 | 1479.23 | 1195 | 1480.52 | 1415 | 1462.17 |
| 100 | 1515.51 | 320 | 1499.15 | 540 | 1486.87 | 760 | 1478.34 | 980 | 1479.32 | 1200 | 1480.61 | 1420 | 1462.26 |
| 105 | 1515.68 | 325 | 1498.88 | 545 | 1486.36 | 765 | 1478.01 | 985 | 1479.41 | 1205 | 1480.69 | 1425 | 1462.34 |
| 110 | 1515.15 | 330 | 1498.60 | 550 | 1485.66 | 770 | 1478.10 | 990 | 1479.50 | 1210 | 1480.78 | 1430 | 1462.43 |
| 115 | 1515.62 | 335 | 1498.32 | 555 | 1485.35 | 775 | 1478.19 | 995 | 1479.59 | 1215 | 1480.84 | 1435 | 1462.51 |
| 120 | 1512.78 | 340 | 1498.05 | 560 | 1484.44 | 780 | 1478.28 | 1000 | 1479.25 | 1220 | 1480.52 | 1440 | 1462.60 |
| 125 | 1512.23 | 345 | 1497.77 | 565 | 1483.93 | 785 | 1477.95 | 1005 | 1479.34 | 1225 | 1480.61 | 1445 | 1462.69 |
| 130 | 1512.00 | 350 | 1497.49 | 570 | 1483.62 | 790 | 1478.04 | 1010 | 1479.43 | 1230 | 1480.70 | 1450 | 1462.77 |
| 135 | 1511.77 | 355 | 1497.21 | 575 | 1482.90 | 795 | 1478.13 | 1015 | 1479 | | | | |

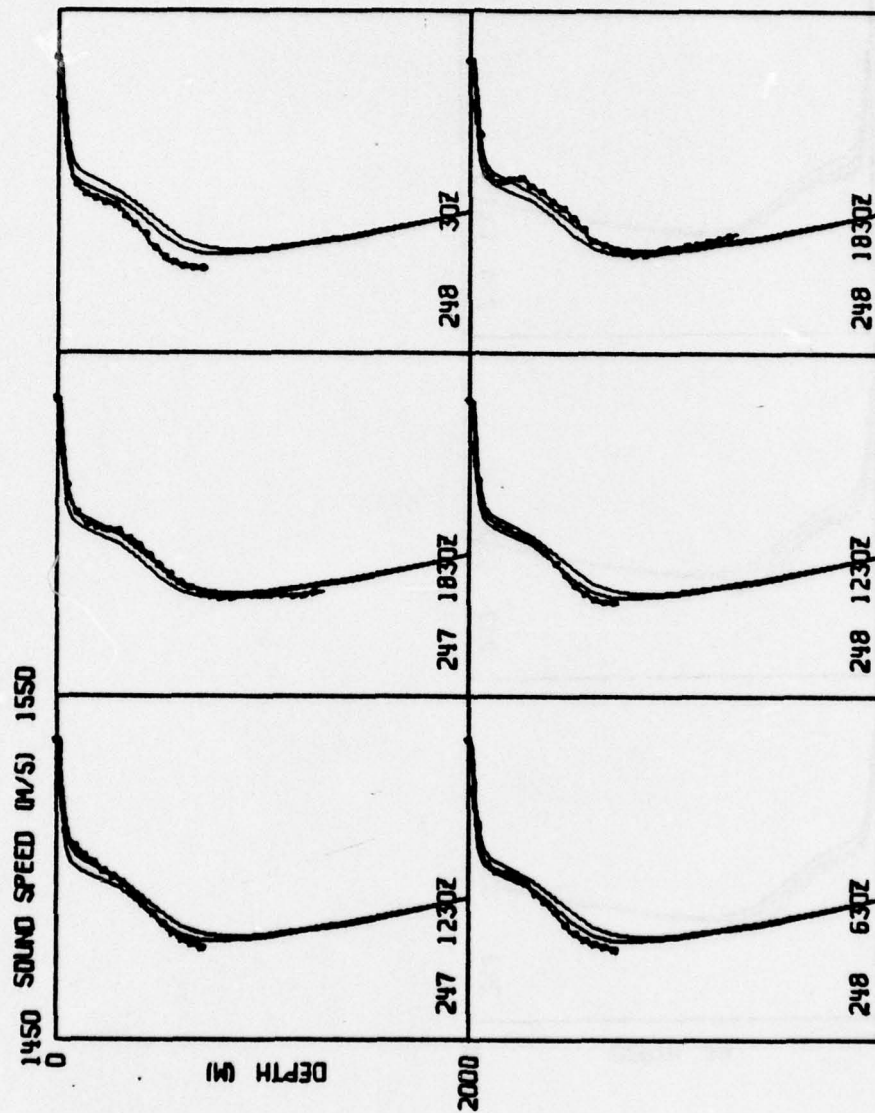


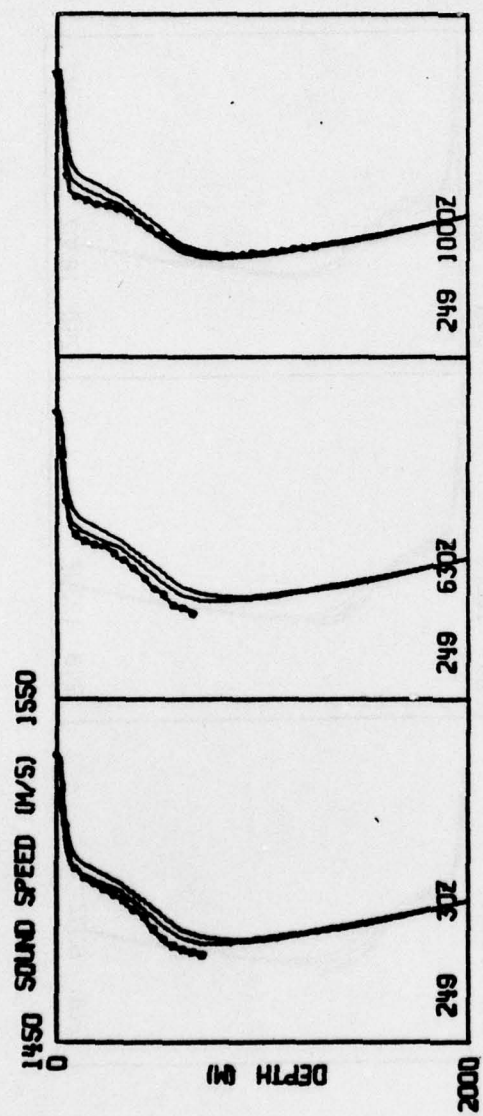


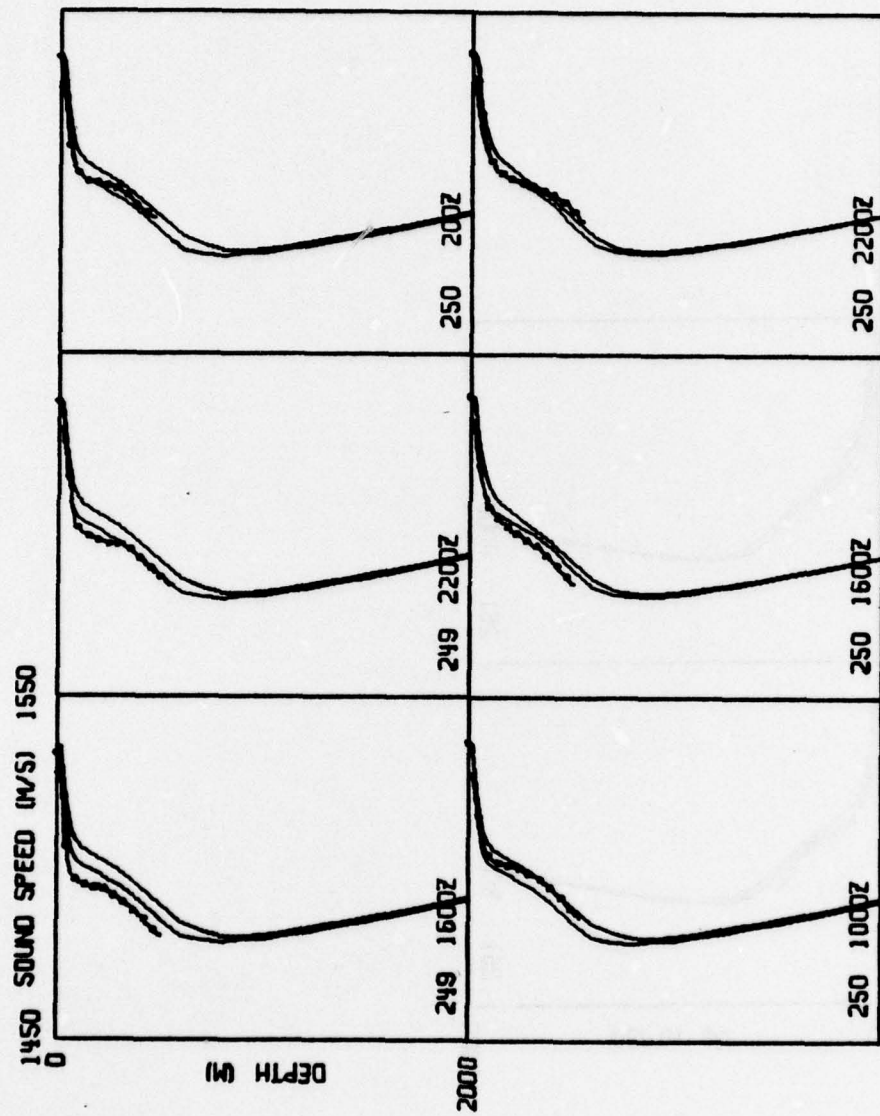


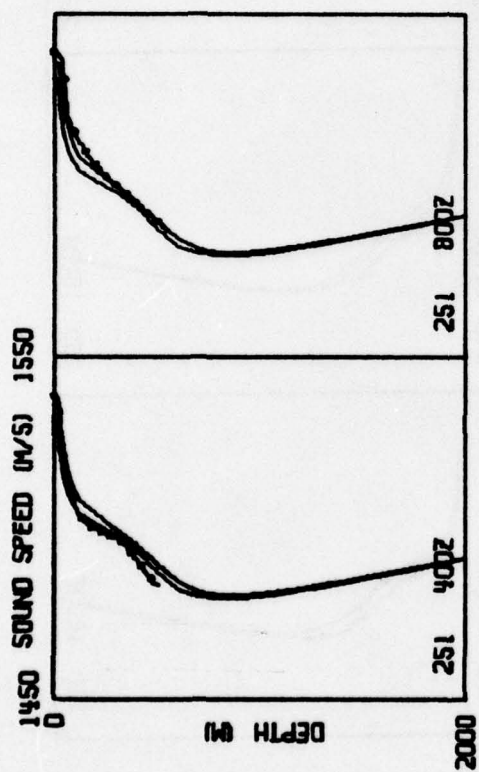












APPENDIX G

This appendix contains the shipboard data pertaining to the explosive sources.

EXPLOSIVE SOURCE DATA

N.....SHOT NUMBER
 DAY.....JULIAN DAY
 TIME.....GMT(HR MIN SEC)
 Z.....DEPTH(M)

| N | LAY | TIME | Z | A | LAY | TIME | Z | N | DAY | TIME | Z |
|----|-----|------------|------|----|-----|------------|------|-----|-----|------------|------|
| 1 | 237 | 0558 59.74 | 0197 | 44 | 238 | 0659 00.08 | 0182 | 87 | 242 | 1358 59.37 | 0258 |
| 2 | 237 | 0904 05.04 | 0756 | 45 | 238 | 0704 02.57 | 0816 | 88 | 242 | 1403 50.51 | 0801 |
| 3 | 237 | 0908 47.28 | 2970 | 46 | 238 | 0759 00.10 | 0197 | 89 | 242 | 1958 57.92 | 0250 |
| 4 | 237 | 0959 00.94 | 0189 | 47 | 238 | 0804 01.27 | 0764 | 90 | 242 | 2003 52.41 | 0801 |
| 5 | 237 | 1003 56.46 | 0794 | 48 | 238 | 0808 38.04 | 2963 | 91 | 243 | 0059 00.60 | 0189 |
| 6 | 237 | 1028 59.10 | 0205 | 49 | 238 | 0859 00.02 | 0197 | 92 | 243 | 0106 13.02 | 2926 |
| 7 | 237 | 1103 58.30 | 0779 | 50 | 238 | 0903 48.23 | 0786 | 93 | 243 | 0158 59.71 | 0303 |
| 8 | 237 | 1106 09.78 | 2856 | 51 | 238 | 0958 59.60 | 0212 | 94 | 243 | 0203 40.77 | 0749 |
| 9 | 237 | 1156 56.21 | 0212 | 52 | 238 | 1003 57.42 | 0809 | 95 | 243 | 0208 11.62 | 2978 |
| 10 | 237 | 1204 06.17 | 0839 | 53 | 238 | 1008 16.06 | 2978 | 96 | 243 | 0259 00.01 | 0197 |
| 11 | 237 | 1258 59.85 | 0212 | 54 | 238 | 1058 59.22 | 0212 | 97 | 243 | 0303 41.79 | 0794 |
| 12 | 237 | 1304 02.60 | 2926 | 55 | 238 | 1103 54.20 | 0847 | 98 | 243 | 0308 30.82 | 3000 |
| 13 | 237 | 1306 06.87 | 0212 | 56 | 238 | 1159 00.93 | 0227 | 99 | 243 | 0359 00.01 | 0205 |
| 14 | 237 | 1358 59.75 | 0212 | 57 | 238 | 1203 59.59 | 0189 | 100 | 243 | 0403 44.92 | 0779 |
| 15 | 237 | 1404 03.26 | 0786 | 58 | 238 | 1259 03.46 | 0189 | 101 | 243 | 0458 57.56 | 3187 |
| 16 | 237 | 1458 58.82 | 0212 | 59 | 238 | 1303 58.53 | 0182 | 102 | 243 | 0508 05.52 | 3060 |
| 17 | 237 | 1504 02.75 | 0831 | 60 | 238 | 1359 00.11 | 0756 | 103 | 243 | 0558 58.57 | 0205 |
| 18 | 237 | 1508 27.88 | 2926 | 61 | 238 | 1403 59.96 | 0212 | 104 | 243 | 0603 14.04 | 0629 |
| 19 | 237 | 1558 59.62 | 0182 | 62 | 238 | 1408 50.94 | 0726 | 105 | 243 | 0608 13.18 | 2948 |
| 20 | 237 | 1604 02.29 | 0809 | 63 | 238 | 1458 59.97 | 0205 | 106 | 243 | 0658 59.63 | 0182 |
| 21 | 237 | 1658 58.89 | 0189 | 64 | 239 | 0658 59.97 | 0779 | 107 | 243 | 0703 22.90 | 0719 |
| 22 | 237 | 1703 09.34 | 0764 | 65 | 239 | 0703 52.68 | 0197 | 108 | 243 | 0758 58.31 | 0242 |
| 23 | 237 | 1708 23.22 | 3015 | 66 | 239 | 1259 00.74 | 0786 | 109 | 243 | 0803 20.30 | 3030 |
| 24 | 237 | 1758 59.68 | 0227 | 67 | 239 | 1304 00.92 | 0144 | 110 | 243 | 0808 32.14 | 0220 |
| 25 | 237 | 1803 48.57 | 0779 | 68 | 239 | 1859 00.11 | 0794 | 111 | 243 | 0858 58.49 | 0622 |
| 26 | 237 | 1858 59.88 | 0209 | 69 | 239 | 1904 00.97 | 0205 | 112 | 243 | 0903 18.31 | 3023 |
| 27 | 237 | 1903 53.47 | 0764 | 70 | 240 | 0833 51.25 | 0786 | 113 | 243 | 0908 12.06 | 0326 |
| 28 | 237 | 1908 13.26 | 2993 | 71 | 240 | 1359 00.98 | 0197 | 114 | 243 | 0958 57.03 | 0326 |
| 29 | 237 | 1958 59.72 | 0197 | 72 | 240 | 1403 54.91 | 0601 | 115 | 243 | 1003 14.48 | 0667 |
| 30 | 237 | 2059 00.11 | 0197 | 73 | 240 | 1958 59.95 | 0212 | 116 | 243 | 1008 19.51 | 3060 |
| 31 | 237 | 2108 05.32 | 2985 | 74 | 240 | 2003 48.20 | 0786 | 117 | 243 | 1058 57.56 | 0189 |
| 32 | 237 | 2156 00.81 | 0157 | 75 | 241 | 0158 57.24 | 0197 | 118 | 243 | 1103 26.89 | 0712 |
| 33 | 237 | 2203 58.29 | 0771 | 76 | 241 | 0604 00.05 | 0601 | 119 | 243 | 1108 27.21 | 3052 |
| 34 | 237 | 2259 01.25 | 3157 | 77 | 241 | 1359 00.89 | 0212 | 120 | 243 | 1158 59.19 | 0182 |
| 35 | 237 | 2303 54.57 | 0197 | 78 | 241 | 1403 58.82 | 0794 | 121 | 243 | 1203 37.86 | 0712 |
| 36 | 237 | 2308 15.71 | 0197 | 79 | 241 | 1959 00.98 | 0250 | 122 | 243 | 1208 50.49 | 2970 |
| 37 | 237 | 2358 59.32 | 0197 | 80 | 241 | 2003 57.11 | 0749 | 123 | 243 | 1258 58.56 | 0227 |
| 38 | 237 | 2404 06.71 | 0197 | 81 | 241 | 0158 56.89 | 0197 | 124 | 243 | 1303 41.85 | 0749 |
| 39 | 237 | 2458 58.51 | 1231 | 82 | 242 | 0203 53.06 | 0794 | 125 | 243 | 1308 10.85 | 3000 |
| 40 | 238 | 0004 06.71 | | 83 | 242 | 0859 01.78 | 0756 | 126 | 243 | | |
| 41 | 238 | 0058 58.51 | | 84 | 242 | 0903 53.68 | | 127 | 243 | | |
| 42 | 238 | | | 85 | 242 | | | 128 | 243 | | |
| 43 | 238 | | | 86 | 242 | | | 129 | 243 | | |

| N | LAY | TIME | Z | A | DAY | TIME | Z | N | DAY | TIME | Z |
|-----|-----|------|-------|-----|-----|------|-------|-----|-----|------|-------|
| 130 | 242 | 1358 | 58.89 | 179 | 244 | 0808 | 19.32 | 228 | 245 | 0308 | 47.58 |
| 131 | 242 | 1402 | 07.19 | 180 | 244 | 0808 | 19.32 | 229 | 245 | 0359 | 01.21 |
| 132 | 242 | 1408 | 02.10 | 181 | 244 | 0858 | 59.88 | 230 | 245 | | 0220 |
| 133 | 242 | 1458 | 59.79 | 182 | 244 | | | 231 | 245 | 0408 | 07.97 |
| 134 | 242 | 1503 | 46.89 | 183 | 244 | 0908 | 21.49 | 232 | 245 | 0559 | 00.25 |
| 135 | 242 | 1508 | 47.14 | 184 | 244 | 0959 | 00.49 | 233 | 245 | 0603 | 41.89 |
| 136 | 242 | 1558 | 56.53 | 185 | 244 | 1003 | 52.44 | 234 | 245 | 0608 | 23.54 |
| 137 | 242 | 1604 | 03.97 | 186 | 244 | 1008 | 05.03 | 235 | 245 | 0658 | 58.78 |
| 138 | 242 | 1608 | 19.74 | 187 | 244 | 1159 | 02.59 | 236 | 245 | | |
| 139 | 242 | 1656 | 59.12 | 188 | 244 | 1204 | 03.60 | 237 | 245 | 0708 | 09.16 |
| 140 | 242 | 1703 | 57.60 | 189 | 244 | 1204 | 36.90 | 238 | 245 | 0758 | 59.88 |
| 141 | 242 | 1708 | 29.11 | 190 | 244 | 1259 | 03.08 | 239 | 245 | 0803 | 24.15 |
| 142 | 242 | 1759 | 03.07 | 191 | 244 | | | 240 | 245 | 0808 | 59.72 |
| 143 | 242 | 1803 | 49.62 | 192 | 244 | 1308 | 27.65 | 241 | 245 | 0858 | 59.10 |
| 144 | 242 | 1808 | 29.13 | 193 | 244 | 1359 | 01.94 | 242 | 245 | | 0242 |
| 145 | 242 | 1858 | 59.29 | 194 | 244 | 1403 | 55.48 | 243 | 245 | 0908 | 42.26 |
| 146 | 242 | 1903 | 45.32 | 195 | 244 | 1408 | 47.27 | 244 | 245 | 0958 | 57.35 |
| 147 | 242 | 1908 | 26.47 | 196 | 244 | 1459 | 01.70 | 245 | 245 | 1003 | 33.93 |
| 148 | 242 | 1959 | 01.31 | 197 | 244 | 1503 | 52.29 | 246 | 245 | 1008 | 15.29 |
| 149 | 242 | 2003 | 59.08 | 198 | 244 | 1508 | 23.03 | 247 | 245 | 1159 | 02.40 |
| 150 | 242 | 2008 | 51.91 | 199 | 244 | 1559 | 01.32 | 248 | 245 | 1203 | 17.82 |
| 151 | 242 | 2058 | 56.68 | 200 | 244 | | | 249 | 245 | 1208 | 17.00 |
| 152 | 242 | 2103 | 43.86 | 201 | 244 | 1608 | 40.61 | 250 | 245 | 1259 | 02.12 |
| 153 | 242 | 2108 | 08.39 | 202 | 244 | 1659 | 02.27 | 251 | 245 | | 0189 |
| 154 | 242 | 2158 | 58.97 | 203 | 244 | 1703 | 41.90 | 252 | 245 | 1308 | 09.62 |
| 155 | 242 | 2204 | 04.25 | 204 | 244 | 1708 | 34.00 | 253 | 245 | 1359 | 01.47 |
| 156 | 242 | 2208 | 21.44 | 205 | 244 | 1859 | 00.98 | 254 | 245 | 1403 | 25.49 |
| 157 | 242 | 2358 | 55.82 | 206 | 244 | 1903 | 45.28 | 255 | 245 | 1408 | 42.72 |
| 158 | 244 | 0003 | 46.34 | 207 | 244 | 1908 | 24.61 | 256 | 245 | 1459 | 01.07 |
| 159 | 244 | 0008 | 20.39 | 208 | 244 | 1959 | 02.02 | 257 | 245 | 1503 | 41.82 |
| 160 | 244 | 0058 | 53.79 | 209 | 244 | | | 258 | 245 | 1508 | 25.84 |
| 161 | 244 | 0103 | 42.51 | 210 | 244 | 2008 | 31.93 | 259 | 245 | 1559 | 01.61 |
| 162 | 244 | 0108 | 08.70 | 211 | 244 | 2059 | 00.94 | 260 | 245 | 1603 | 53.36 |
| 163 | 244 | 0158 | 59.55 | 212 | 244 | 2103 | 40.22 | 261 | 245 | 1608 | 43.16 |
| 164 | 244 | 0204 | 08.67 | 213 | 244 | 2108 | 05.11 | 262 | 245 | 1659 | 01.42 |
| 165 | 244 | 0208 | 09.09 | 214 | 244 | 2159 | 01.49 | 263 | 245 | 1703 | 55.71 |
| 166 | 244 | 0258 | 59.65 | 215 | 244 | | | 264 | 245 | 1708 | 14.90 |
| 167 | 244 | 0303 | 50.37 | 216 | 244 | 2208 | 38.48 | 265 | 245 | 1858 | 59.51 |
| 168 | 244 | 0308 | 17.96 | 217 | 244 | 2359 | 02.07 | 266 | 245 | 1904 | 05.86 |
| 169 | 244 | 0459 | 01.32 | 218 | 245 | | | 267 | 245 | 1908 | 39.38 |
| 170 | 244 | 0504 | 00.70 | 219 | 245 | 0008 | 14.50 | 268 | 246 | 1028 | 56.53 |
| 171 | 244 | 0508 | 46.71 | 220 | 245 | 0059 | 01.66 | 269 | 246 | 1033 | 53.05 |
| 172 | 244 | 0559 | 01.26 | 221 | 245 | 0103 | 43.90 | 270 | 246 | 1129 | 01.14 |
| 173 | 244 | 0603 | 52.19 | 222 | 245 | 0108 | 23.95 | 271 | 246 | 1133 | 47.25 |
| 174 | 244 | 0608 | 26.78 | 223 | 245 | 0159 | 01.78 | 272 | 246 | 1138 | 04.65 |
| 175 | 244 | 0658 | 57.59 | 224 | 245 | 0203 | 43.11 | 273 | 246 | 1828 | 58.43 |
| 176 | 244 | | | 225 | 245 | 0208 | 37.49 | 274 | 246 | 1833 | 54.29 |
| 177 | 244 | | | 226 | 245 | 0259 | 00.36 | 275 | 246 | 1838 | 24.29 |
| 178 | 244 | 0708 | 23.74 | 227 | 245 | 0303 | 43.72 | 276 | 246 | 2033 | 53.54 |
| | | | | | | | | | | | 0794 |

| N | LAT | TIME | Z | A | DAY | TIME | Z |
|-----|-----|------------|------|-----|-----|------------|------|
| 277 | 247 | 0025 01.44 | 0250 | 326 | 249 | 2029 01.97 | 0212 |
| 278 | 247 | 0033 58.59 | 0809 | 327 | 249 | 2129 00.78 | 0220 |
| 279 | 247 | 0129 01.63 | 0205 | 328 | 249 | 2229 01.54 | 0235 |
| 280 | 247 | 0133 52.73 | 0639 | 329 | 249 | 2329 00.61 | 0205 |
| 281 | 247 | 0533 58.20 | | 330 | 250 | 0029 00.26 | 0212 |
| 282 | 247 | 0629 00.11 | 0205 | 331 | 250 | 0129 59.82 | 0189 |
| 283 | 247 | 0634 11.10 | | 332 | 250 | 0229 59.27 | 0174 |
| 284 | 247 | | | 333 | 250 | 0329 00.86 | 0212 |
| 285 | 247 | 0934 02.47 | 0869 | 334 | 250 | 0429 00.89 | 0205 |
| 286 | 247 | 1126 02.27 | 0197 | 335 | 250 | 0529 01.07 | 0197 |
| 287 | 247 | 1133 47.73 | 0809 | 336 | 250 | 0629 00.69 | 0227 |
| 288 | 247 | 1333 40.63 | 0734 | 337 | 250 | 0729 01.75 | 0197 |
| 289 | 247 | 1733 49.83 | 0801 | 338 | 250 | 0829 00.92 | 0205 |
| 290 | 247 | 1829 01.65 | 0220 | 339 | 250 | 0929 00.84 | 0189 |
| 291 | 247 | 1834 01.69 | 0771 | 340 | 250 | 1029 00.19 | 0212 |
| 292 | 247 | 2033 57.67 | 0824 | 341 | 250 | 1129 58.20 | 0189 |
| 293 | 247 | 2133 58.14 | 0809 | 342 | 250 | 1229 59.93 | 0189 |
| 294 | 248 | 0129 00.11 | 0212 | 343 | 250 | 1329 00.87 | 0189 |
| 295 | 248 | 0133 49.92 | 0749 | 344 | 250 | 1429 00.95 | 0197 |
| 296 | 248 | 0628 59.80 | | 345 | 250 | 1529 00.89 | 0220 |
| 297 | 248 | 0633 54.70 | 0771 | 346 | 250 | 1629 01.50 | 0212 |
| 298 | 248 | 2229 01.92 | 0220 | 347 | 250 | 1729 01.12 | 0220 |
| 299 | 248 | 2233 50.30 | 0824 | 348 | 250 | 1829 00.48 | 0227 |
| 300 | 249 | 0029 01.30 | 0189 | 349 | 250 | 1929 00.75 | 0205 |
| 301 | 249 | 0033 49.39 | | 350 | 250 | 2029 01.03 | 0212 |
| 302 | 249 | 0129 00.62 | | 351 | 250 | 2129 00.47 | 0205 |
| 303 | 249 | 0133 47.80 | | 352 | 250 | 2229 01.49 | 0189 |
| 304 | 249 | 0426 00.19 | | 353 | 250 | 2329 59.78 | 0220 |
| 305 | 249 | 0433 41.49 | 0801 | 354 | 251 | 0029 59.71 | 0189 |
| 306 | 249 | 0529 00.79 | 0205 | 355 | 251 | 0129 59.80 | |
| 307 | 249 | 0533 42.52 | 0824 | 356 | 251 | 0229 59.49 | 0205 |
| 308 | 249 | 0629 01.62 | 0220 | 357 | 251 | 0329 59.78 | 0182 |
| 309 | 249 | 0633 43.52 | 0786 | 358 | 251 | 0429 59.18 | 0197 |
| 310 | 249 | 0729 00.75 | 0212 | 359 | 251 | 0529 00.82 | 0242 |
| 311 | 249 | 0733 45.56 | 0756 | 360 | 251 | 0629 00.13 | 0220 |
| 312 | 249 | 0829 01.71 | 0280 | 361 | 251 | 0729 01.19 | 0220 |
| 313 | 249 | 0833 45.17 | 0779 | 362 | 251 | 0759 00.63 | |
| 314 | 249 | 0929 01.20 | 0182 | 363 | 251 | 0803 42.38 | |
| 315 | 249 | 0933 47.67 | 0779 | | | | |
| 316 | 249 | 1029 01.03 | 0197 | | | | |
| 317 | 249 | 1129 00.60 | 0212 | | | | |
| 318 | 249 | 1229 00.46 | | | | | |
| 319 | 249 | 1329 00.77 | 0189 | | | | |
| 320 | 249 | 1429 01.07 | 0197 | | | | |
| 321 | 249 | 1529 01.88 | 0205 | | | | |
| 322 | 249 | 1629 02.19 | 0189 | | | | |
| 323 | 249 | 1729 03.00 | 0220 | | | | |
| 324 | 249 | 1829 01.34 | 0189 | | | | |
| 325 | 249 | 1929 02.51 | 0212 | | | | |

APPENDIX H

This appendix contains the operating parameters of the CW sources. Table H1 contains the assigned source frequencies. Table H2 lists the periods during which the sources did not provide acoustic outputs at their assigned frequencies. Table H3 gives Mark 6 depth vs. time as determined from a measurement of the hydrostatic pressure at the source.

DAY:.....JULIAN DAY
 TIME:.....GMT(HR MIN)
 FREQUENCY:.....FREQUENCY(HZ)

ASSIGNED SOURCE FREQUENCIES

SEURCE...MARK6

| DAY TIME | TO DAY TIME | FREQUENCY |
|----------|-------------|-----------|
| 239 0500 | 242 2000 | 14.684 |
| 243 0100 | 249 0900 | 14.680 |
| 246 1000 | 249 0900 | 14.684 |
| 249 1000 | 251 0800 | 14.652 |

SEURCE...EM

| DAY TIME | TO DAY TIME | FREQUENCY |
|----------|-------------|-----------|
| 239 0500 | 242 2000 | 133.80 |
| 243 0100 | 251 0800 | 133.60 |

SOURCE INTERRUPTIONS

SOURCE...PARK 6

| DAY | TIME | DURATION | SOURCE ON |
|-----|--------|----------|-----------|
| 239 | 0500.0 | 13 54.0 | |
| 239 | 1806.0 | 13 54.0 | |
| 241 | 1135.0 | 25.0 | |
| 242 | 0430.0 | 3.0 | |
| 242 | 2000.0 | 5 00.0 | |
| 245 | 1531.0 | 14 29.0 | |
| 246 | 1242.0 | 18.0 | |
| 248 | 1645.0 | 5.0 | |
| 251 | 0600.0 | SECURED | |

DAY.....JULIAN DAY
 TIME.....GMT(CHR MIN)
 DURATION.....LENGTH OF INTERRUPTION
 (HR MIN)

SOURCE...EN

| DAY | TIME | DURATION | SOURCE ON |
|-----|--------|----------|-----------|
| 239 | 0500.0 | 13 54.0 | |
| 239 | 1806.0 | 13 54.0 | |
| 242 | 2000.0 | 5 00.0 | |
| 245 | 1931.0 | 14 29.0 | |
| 247 | 2151.0 | 2.0 | |
| 248 | 1845.0 | 5.0 | |
| 251 | 0800.0 | SECURED | |

PARK 6 DEPTH

| DAY.....JULIAN DAY | | | | TIME.....GMT | | | | DEPTH.....SOURCE DEPTH(M) | | | |
|--------------------|------|-------|-----|--------------|-------|-----|------|---------------------------|-----|------|-------|
| LAY | TIME | DEPTH | DAY | TIME | DEPTH | DAY | TIME | DEPTH | DAY | TIME | DEPTH |
| 239 | 500 | 106 | 241 | 900 | 137 | 243 | 600 | 132 | 245 | 100 | 148 |
| 239 | 600 | 156 | 241 | 1000 | 152 | 243 | 700 | 148 | 245 | 200 | 145 |
| 239 | 700 | 152 | 241 | 1100 | 146 | 243 | 800 | 148 | 245 | 300 | 145 |
| 239 | 800 | 152 | 241 | 1135 | 149 | 243 | 900 | 149 | 245 | 400 | 145 |
| 239 | 900 | 152 | 241 | 1200 | 149 | 243 | 1000 | 149 | 245 | 500 | 148 |
| 239 | 1000 | 152 | 241 | 1300 | 152 | 243 | 1100 | 149 | 245 | 600 | 148 |
| 239 | 1100 | 156 | 241 | 1400 | 152 | 243 | 1200 | 149 | 245 | 700 | 143 |
| 239 | 1200 | 152 | 241 | 1500 | 152 | 243 | 1300 | 149 | 245 | 800 | 145 |
| 239 | 1300 | 152 | 241 | 1600 | 152 | 243 | 1400 | 148 | 245 | 900 | 145 |
| 239 | 1400 | 152 | 241 | 1700 | 152 | 243 | 1500 | 148 | 245 | 1000 | 152 |
| 239 | 1500 | 152 | 241 | 1800 | 152 | 243 | 1600 | 148 | 245 | 1100 | 152 |
| 239 | 1600 | 152 | 241 | 1900 | 157 | 243 | 1700 | 148 | 245 | 1200 | 152 |
| 239 | 1700 | 156 | 241 | 2000 | 157 | 243 | 1800 | 149 | 245 | 1300 | 145 |
| 239 | 1800 | 152 | 241 | 2100 | 152 | 243 | 1900 | 152 | 245 | 1400 | 149 |
| 239 | 1806 | 152 | 241 | 2200 | 155 | 243 | 2000 | 149 | 245 | 1500 | 149 |
| 240 | 500 | 94 | 241 | 2300 | 152 | 243 | 2100 | 152 | 245 | 1600 | 152 |
| 240 | 600 | | 242 | 0 | 152 | 243 | 2200 | 151 | 245 | 1700 | 152 |
| 240 | 700 | | 242 | 100 | 152 | 243 | 2300 | 151 | 245 | 1800 | 155 |
| 240 | 800 | 152 | 242 | 200 | 152 | 244 | 0 | 151 | 245 | 1900 | 155 |
| 240 | 900 | 152 | 242 | 300 | 152 | 244 | 100 | 152 | 245 | 2000 | 137 |
| 240 | 1000 | 152 | 242 | 400 | 146 | 244 | 200 | 152 | 246 | 1000 | 137 |
| 240 | 1100 | 152 | 242 | 430 | | 244 | 300 | 151 | 246 | 1100 | 140 |
| 240 | 1200 | 152 | 242 | 500 | 148 | 244 | 400 | 145 | 246 | 1200 | 137 |
| 240 | 1300 | 152 | 242 | 600 | 146 | 244 | 500 | 146 | 246 | 1242 | |
| 240 | 1400 | 156 | 242 | 700 | 142 | 244 | 600 | 149 | 246 | 1300 | 137 |
| 240 | 1500 | 152 | 242 | 800 | 137 | 244 | 700 | 149 | 246 | 1400 | 137 |
| 240 | 1600 | 152 | 242 | 900 | 146 | 244 | 800 | 148 | 246 | 1500 | 132 |
| 240 | 1700 | 152 | 242 | 1000 | 155 | 244 | 900 | 148 | 246 | 1600 | 127 |
| 240 | 1800 | 152 | 242 | 1100 | 155 | 244 | 1000 | 148 | 246 | 1700 | 127 |
| 240 | 1900 | 152 | 242 | 1200 | 152 | 244 | 1100 | 148 | 246 | 1800 | 127 |
| 240 | 2000 | 152 | 242 | 1300 | 146 | 244 | 1200 | 149 | 246 | 1900 | 130 |
| 240 | 2100 | 152 | 242 | 1400 | 146 | 244 | 1300 | 149 | 246 | 2000 | 131 |
| 240 | 2200 | 152 | 242 | 1500 | 149 | 244 | 1400 | 149 | 246 | 2100 | 131 |
| 240 | 2300 | 152 | 242 | 1600 | 146 | 244 | 1500 | 146 | 246 | 2200 | 140 |
| 241 | 0 | 157 | 242 | 1700 | 146 | 244 | 1600 | 137 | 246 | 2300 | 140 |
| 241 | 100 | 157 | 242 | 1800 | 146 | 244 | 1700 | 142 | 247 | 0 | 137 |
| 241 | 200 | 157 | 242 | 1900 | 143 | 244 | 1800 | 140 | 247 | 100 | 140 |
| 241 | 300 | 156 | 242 | 2000 | 137 | 244 | 1900 | 148 | 247 | 200 | 136 |
| 241 | 400 | 156 | 243 | 100 | 146 | 244 | 2000 | 149 | 247 | 300 | 137 |
| 241 | 500 | 157 | 243 | 200 | 142 | 244 | 2100 | 143 | 247 | 400 | 137 |
| 241 | 600 | 157 | 243 | 300 | 152 | 244 | 2200 | 140 | 247 | 500 | 137 |
| 241 | 700 | 157 | 243 | 400 | 155 | 244 | 2300 | 137 | 247 | 600 | 137 |
| 241 | 800 | 157 | 243 | 500 | 146 | 245 | 0 | 142 | 247 | 700 | 137 |

| LA | TIME | DEPTH |
|-----|------|-------|
| 250 | 200 | 146 |
| 250 | 210 | 146 |
| 250 | 220 | 146 |
| 250 | 230 | 146 |
| 251 | 0 | 146 |
| 251 | 10 | 146 |
| 251 | 20 | 146 |
| 251 | 30 | 146 |
| 251 | 40 | 146 |
| 251 | 50 | 146 |
| 251 | 60 | 146 |
| 251 | 70 | 146 |
| 251 | 80 | 146 |

APPENDIX I

This appendix gives the relation between the Julian day and the day of the month for 1970.